

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta16191xw

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE'

AT 06:51:34 ON 08 APR 2004

FILE 'CPLUS' ENTERED AT 06:51:34 ON 08 APR 2004

COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 06:51:34 ON 08 APR 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 06:51:34 ON 08 APR 2004

COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 06:51:34 ON 08 APR 2004

COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'MEDLINE' ENTERED AT 06:51:34 ON 08 APR 2004

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 144.36 | 151.61 |

=> fil caplus uspatfull biosis embase medline

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 144.36 | 151.61 |

FILE 'CPLUS' ENTERED AT 06:51:56 ON 08 APR 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 06:51:56 ON 08 APR 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 06:51:56 ON 08 APR 2004

COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 06:51:56 ON 08 APR 2004

COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'MEDLINE' ENTERED AT 06:51:56 ON 08 APR 2004

=> s graphite or graphitic

L24 271323 GRAPHITE OR GRAPHITIC

=> s l24 and (contrast agent or imaging agent or mri or pet or ultrasound or mr imaging or nmr)

L25 8013 L24 AND (CONTRAST AGENT OR IMAGING AGENT OR MRI OR PET OR ULTRA SOUND OR MR IMAGING OR NMR)

=> s l24(l) (contrast agent or imaging agent or mri or pet or ultrasound or mr imaging or nmr)

L26 6188 L24(L) (CONTRAST AGENT OR IMAGING AGENT OR MRI OR PET OR ULTRASO UND OR MR IMAGING OR NMR)

=> s (graphite or graphitic)(l)carbon

L27 89178 (GRAPHITE OR GRAPHITIC) (L) CARBON

=> s l27(l) (contrast agent or imaging agent or mri or pet or ultrasound or mr imaging or nmr)
L28 4178 L27(L) (CONTRAST AGENT OR IMAGING AGENT OR MRI OR PET OR ULTRASOUND OR MR IMAGING OR NMR)

=> s l27(p) (contrast agent or imaging agent or mri or pet or ultrasound or mr imaging or nmr)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L162(P) (CONTRAST'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L163(P) (CONTRAST'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L164(P) (CONTRAST'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L165(P) (CONTRAST'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L166(P) (CONTRAST'
L29 5683 L27(P) (CONTRAST AGENT OR IMAGING AGENT OR MRI OR PET OR ULTRASOUND
UND OR MR IMAGING OR NMR)

=> s (graphite or graphitic)(p)carbon
L30 75087 (GRAPHITE OR GRAPHITIC) (P) CARBON

=> s l30(p) (contrast agent or imagining agent or mri or ultrasound or nmr)
L31 386 L30(P) (CONTRAST AGENT OR IMAGINING AGENT OR MRI OR ULTRASOUND
OR NMR)

=> s graphitic carbon
L32 2606 GRAPHITIC CARBON

=> s l32(p) (contrast agent or imaging agent or mri or ultrasound or nmr)
L33 27 L32(P) (CONTRAST AGENT OR IMAGING AGENT OR MRI OR ULTRASOUND OR
NMR)

=> dup rem l33
PROCESSING COMPLETED FOR L33
L34 21 DUP REM L33 (6 DUPLICATES REMOVED)

=> d ibib abs kwic

L34 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:940802 CAPLUS
TITLE: Comparative analysis of enzymatically digested
κ-carrageenan, using liquid chromatography on
ion-exchange and porous graphitic carbon columns
coupled to an evaporative light scattering detector
AUTHOR(S): Antonopoulos, A.; Herbreteau, B.; Lafosse, M.;
Helbert, W.
CORPORATE SOURCE: Institut de Chimie Organique et Analytique, Universite
d'Orleans, Orleans, 45067, Fr.
SOURCE: Journal of Chromatography, A (2004), 1023(2), 231-238
CODEN: JCRAEY; ISSN: 0021-9673
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Enzymically digested κ (A-G4S)-carrageenan, apart from their biol.
activities in plants, could be used as model' mols. to elucidate
potential problems in NMR spectroscopy of carrageenan. Thus,
oligosaccharides obtained from κ-carrageenan by enzymic digestion
using κ-carrageenase have been separated on silica and polymeric based
ion-exchange and porous graphitic carbon (PGC)
columns, coupled to an evaporative light scattering detector. Oligomers
were separated on ion-exchange columns using a gradient of ammonium acetate as
a developing ion, while anal. on PGC column presented an addnl. adjacent

peak next to each main one, using a gradient of ammonium acetate in water/acetonitrile as a mobile phase. The phenomenon can be attributed to different retention mechanisms that govern the PGC surface. Furthermore, it has been demonstrated that acetonitrile can regulate the selectivity between the peaks raising hopes for preparative chromatog.

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Enzymically digested κ (A-G4S)-carrageenans, apart from their biol. activities in plants, could be used as model' mols. to elucidate potential problems in NMR spectroscopy of carrageenans. Thus, oligosaccharides obtained from κ -carrageenan by enzymic digestion using κ -carrageenase have been separated on silica and polymeric based ion-exchange and porous graphitic carbon (PGC) columns, coupled to an evaporative light scattering detector. Oligomers were separated on ion-exchange columns using a gradient of ammonium acetate as a developing ion, while anal. on PGC column presented an addnl. adjacent peak next to each main one, using a gradient of ammonium acetate in water/acetonitrile as a mobile phase. The phenomenon can be attributed to different retention mechanisms that govern the PGC surface. Furthermore, it has been demonstrated that acetonitrile can regulate the selectivity between the peaks raising hopes for preparative chromatog.

=> d 2 ibib abs kwic

L34 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2003:591549 CAPLUS

DOCUMENT NUMBER: 139:260908

TITLE: Melem (2,5,8-Triamino-tri-s-triazine), an Important Intermediate during Condensation of Melamine Rings to Graphitic Carbon Nitride: Synthesis, Structure Determination by X-ray Powder Diffractometry, Solid-State NMR, and Theoretical Studies

AUTHOR(S): Juergens, Barbara; Irran, Elisabeth; Senker, Juergen; Kroll, Peter; Mueller, Helen; Schnick, Wolfgang

CORPORATE SOURCE: Department Chemie, Ludwig-Maximilians-Universitaet Muenchen, Munich, D-81377, Germany

SOURCE: Journal of the American Chemical Society (2003), 125 (34), 10288-10300

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:260908

AB Single-phase melem (2,5,8-triamino-tri-s-triazine) C₆N₇(NH₂)₃ was obtained as a crystalline powder by thermal treatment of different less condensed C-N-H compds. (e.g., melamine C₃N₃(NH₂)₃, dicyandiamide H₄C₂N₄, ammonium dicyanamide NH₄[N(CN)₂], or cyanamide H₂CN₂, resp.) at temps. up to 450 °C in sealed glass ampules. The crystal structure was determined ab initio by X-ray powder diffractometry (Cu K α 1: P21/c (Number 14), a = 739.92(1) pm, b = 865.28(3) pm, c = 1338.16(4) pm, β = 99.912(2)°, and Z = 4). In the solid, melem consists of nearly planar C₆N₇(NH₂)₃ mols. which are arranged into parallel layers with an interplanar distance of 327 pm. Detailed ¹³C and ¹⁵N MAS NMR investigations were performed. The presence of the triamino form instead of other possible tautomers was confirmed by a CPPI (cross-polarization combined with polarization inversion) experiment. Furthermore, the compound was characterized using mass spectrometry, vibrational (IR, Raman), and photoluminescence spectroscopy. The structural and vibrational properties of mol. melem were theor. studied on both the B3LYP and the MP2 level. A structural optimization in the extended state was performed employing d. functional methods utilizing LDA and GGA. A good agreement was found between the observed and calculated structural parameters and also for the

vibrational frequencies of melem. According to temperature-dependent X-ray powder diffractometry investigations, above 560 °C melem transforms into a graphite-like C-N material.

- REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
- TI Melem (2,5,8-Triamino-tri-s-triazine), an Important Intermediate during Condensation of Melamine Rings to **Graphitic Carbon Nitride**: Synthesis, Structure Determination by X-ray Powder Diffractometry, Solid-State **NMR**, and Theoretical Studies
- ST melem intermediate **graphitic carbon nitride** prepn crystallog **NMR** spectra
- IT **NMR** (nuclear magnetic resonance)
(carbon-13, of melamine and melem; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT Hysteresis
Melting point
(m.p. hysteresis of melamine; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT **NMR** (nuclear magnetic resonance)
(nitrogen-15, of labeled melamine and melem; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT IR spectra
Raman spectra
(of melamine and melem; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT Structural phase transition
(of melamine; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT Crystal structure
Hydrogen bond
Luminescence
Molecular structure
Pi-pi interaction
Vibrational frequency
X-ray diffraction
(of melem; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT Condensation reaction
(thermal, of melem precursors and of melem; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)
- IT 108-78-1, Melamine, reactions
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)
(cyclocondensation to melem; synthesis, structure determination, and solid-state **NMR**, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)

IT 603996-89-0P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cyclocondensation to melem; synthesis, structure determination, and solid-state NMR, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)

IT 420-04-2, Cyanamide 504-66-5, Dicyanamide 14265-42-0, Ammonium dicyanamide
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation to melem; synthesis, structure determination, and solid-state NMR, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)

IT 603996-90-3P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis, structure determination, and solid-state NMR, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)

IT 143334-20-7P, Carbon nitride (C₃N₄)
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis, structure determination, and solid-state NMR, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)

IT 1502-47-2P, Melem
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(thermal conversion to **graphitic carbon nitride**;
synthesis, structure determination, and solid-state NMR, mass, vibrational, and photoluminescence spectra of melem as an intermediate during condensation of melamine rings to **graphitic carbon nitride**)

=> d 3 ibib abs kwic

L34 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 2002:950261 CAPLUS
DOCUMENT NUMBER: 138:397855
TITLE: Structural elucidation of zwitterionic carbohydrates derived from glycosphingolipids of the porcine parasitic nematode *Ascaris suum*
AUTHOR(S): Friedl, Claudia H.; Lochnit, Guenter; Zaehringer, Ulrich; Bahr, Ute; Geyer, Rudolf
CORPORATE SOURCE: Faculty of Medicine, Institute of Biochemistry, University of Giessen, Giessen, D-35392, Germany
SOURCE: Biochemical Journal (2003), 369(1), 89-102
CODEN: BIJOAK; ISSN: 0264-6021
PUBLISHER: Portland Press Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Carbohydrates substituted with phosphocholine (PC) and phosphoethanolamine (PE) were released from zwitterionic glycosphingolipids of the pig parasitic nematode *Ascaris suum* by treatment with endoglycoceramidase. Individual glycans were obtained by HPLC on porous **graphitic carbon** followed by high-pH anion-exchange chromatog. In addition to the known pentasaccharides Gal α 3GalNAc β 4[PC6]GlcNAc β 3Man.b eta.4Glc and Gal α 3GalNAc β 4[PC6]GlcNAc β 3[PE6]Man β 4Glc, the corresponding tri- and tetra-saccharides, as well as components with elongated structures, could be identified by matrix-assisted laser-desorption ionization-time-of-flight MS, methylation anal., ¹H- and ¹³C-NMR spectroscopy, exoglycosidase cleavage and electrospray

ionization ion-trap MS. The extended components comprised novel structural motifs such as di-substituted α -galactose carrying two β -linked galactosyl residues, which were found to bear, in part, further fucose, galactose, N-acetylgalactosamine and/or N-acetylglicosamine moieties. Furthermore, addnl. fucosylation of the PC-substituted N-acetylglucosamine and a non-terminal fucosyl motif were detected. In conclusion, this study contributes significant new information on the glycome of nematodes.

REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Carbohydrates substituted with phosphocholine (PC) and phosphoethanolamine (PE) were released from zwitterionic glycosphingolipids of the pig parasitic nematode *Ascaris suum* by treatment with endoglycoceramidase. Individual glycans were obtained by HPLC on porous **graphitic carbon** followed by high-pH anion-exchange chromatog. In addition to the known pentasaccharides Gal α 3GalNAc β 4 [PC6]GlcNAc β 3Man.b eta.4Glc and Gal α 3GalNAc β 4 [PC6]GlcNAc β 3 [PE6]Man β 4Glc, the corresponding tri- and tetra-saccharides, as well as components with elongated structures, could be identified by matrix-assisted laser-desorption ionization-time-of-flight MS, methylation anal., ^1H - and ^{13}C -**NMR** spectroscopy, exoglycosidase cleavage and electrospray ionization ion-trap MS. The extended components comprised novel structural motifs such as di-substituted α -galactose carrying two β -linked galactosyl residues, which were found to bear, in part, further fucose, galactose, N-acetylgalactosamine and/or N-acetylglicosamine moieties. Furthermore, addnl. fucosylation of the PC-substituted N-acetylglucosamine and a non-terminal fucosyl motif were detected. In conclusion, this study contributes significant new information on the glycome of nematodes.

=> d 4 ibib abs kwic

L34 ANSWER 4 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2002:194537 USPATFULL

TITLE: Powder synthesis and characterization of amorphous carbon nitride, a-C₃N₄

INVENTOR(S): Khabashesku, Valery N., Houston, TX, United States
Margrave, John L., Bellaire, TX, United States

Zimmerman, John L., Lincoln Park, MI, United States
William Marsh Rice University, Houston, TX, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6428762 | B1 | 20020806 |
| APPLICATION INFO.: | US 2000-626173 | | 20000727 (9) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 1999-145733P | 19990727 (60) |

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Langel, Wayne A.

LEGAL REPRESENTATIVE: Conley, Rose & Tayon, P.C.

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1, 12, 20

NUMBER OF DRAWINGS: 12 Drawing Figure(s); 12 Drawing Page(s)

LINE COUNT: 788

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Carbon nitride powder prepared by solid-state reaction between cyanuric chloride or its fluoro analogue and lithium nitride. The determined, by elemental analysis, atomic N/C ratio (1.33) in the synthesized material is consistent with C_{sub}.3N_{sub}.4 stoichiometry. Combined material

characterization data, obtained by FTIR, Raman, UV-Vis, (¹³C) MAS NMR, XPS, TGA/DTA and pyrolysis-EIMS methods, provide substantial evidence for graphite-like sp.sup.2-bonded structure composed of building blocks of s-triazine rings bridged by the three-fold coordinated nitrogen atoms in the bulk carbon nitride.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD The XPS data support the results obtained by FTIR, UV-Vis, and **NMR** spectroscopy. In the XPS survey spectrum, given in FIG. 6, three observed peaks indicate that the synthesized material is composed. . . (major component) eV, which are attributed to the C--C, C--O, C.dbd.N and C.dbd.N bonds, respectively. The C--C peak originates from **graphitic carbon**, presumably formed during minor decomposition of carbon nitride sample under X-ray irradiation. The deconvolved N1s peak shown in FIG. 8. . .

=> d 5 ibib abs kwic

L34 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:683990 CAPLUS
DOCUMENT NUMBER: 138:86202
TITLE: Lactobacillus plantarum MiLAB 393 produces the antifungal cyclic dipeptides cyclo(L-Phe-L-Pro) and cyclo(L-Phe-trans-4-OH-L-Pro) and 3-phenyllactic acid
AUTHOR(S): Strom, Katrin; Sjogren, Jorgen; Broberg, Anders; Schnurer, Johan
CORPORATE SOURCE: Department of Microbiology, Swedish University of Agricultural Sciences, Uppsala, SE-750 07, Swed.
SOURCE: Applied and Environmental Microbiology (2002), 68(9), 4322-4327
CODEN: AEMIDF; ISSN: 0099-2240
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The authors have isolated a Lactobacillus plantarum strain (MiLAB 393) from grass silage that produces broad-spectrum antifungal compds. active against food- and feed-borne filamentous fungi and yeasts in a dual culture agar plate assay. Fusarium sporotrichioides and Aspergillus fumigatus were the most sensitive among the molds, and Kluyveromyces marxianus was the most sensitive yeast species. No inhibitory activity could be detected against the mold Penicillium roqueforti or the yeast Zygosaccharomyces bailii. An isolation procedure, employing a microtiter well spore germination bioassay, was devised to isolate active compds. from the culture filtrate. The cell-free supernatant was fractionated on a C18 SPE column, and the 95% aqueous acetonitrile fraction was further separated

on a preparative HPLC C18 column. Fractions active in the bioassay were then fractionated on a porous **graphitic carbon** column.

The structures of the antifungal compds. cyclo(L-Phe-L-Pro), cyclo(L-Phe-trans-4-OH-L-Pro) and 3-phenyllactic acid (L/D isomer ratio, 9:1), were determined by **NMR** spectroscopy, mass spectrometry, and gas chromatog. MIC values against A. fumigatus and P. roqueforti were 20 mg ml-1 for cyclo(L-Phe-L-Pro) and 7.5 mg ml-1 for phenyllactic acid. Combinations of the antifungal compds. revealed weak synergistic effects. The production of the antifungal cyclic dipeptides cyclo(L-Phe-L-Pro) and cyclo(L-Phe-trans-4-OH-L-Pro) by lactic acid bacteria is reported here for the first time.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB The authors have isolated a Lactobacillus plantarum strain (MiLAB 393) from grass silage that produces broad-spectrum antifungal compds. active against food- and feed-borne filamentous fungi and yeasts in a dual culture agar plate assay. Fusarium sporotrichioides and Aspergillus

fumigatus were the most sensitive among the molds, and *Kluyveromyces marxianus* was the most sensitive yeast species. No inhibitory activity could be detected against the mold *Penicillium roqueforti* or the yeast *Zygosaccharomyces bailii*. An isolation procedure, employing a microtiter well spore germination bioassay, was devised to isolate active compds. from the culture filtrate. The cell-free supernatant was fractionated on a C18 SPE column, and the 95% aqueous acetonitrile fraction was further separated

on a preparative HPLC C18 column. Fractions active in the bioassay were then fractionated on a porous **graphitic carbon** column. The structures of the antifungal compds. cyclo(L-Phe-L-Pro), cyclo(L-Phe-trans-4-OH-L-Pro) and 3-phenyllactic acid (L/D isomer ratio, 9:1), were determined by **NMR** spectroscopy, mass spectrometry, and gas chromatog. MIC values against *A. fumigatus* and *P. roqueforti* were 20 mg ml-1 for cyclo(L-Phe-L-Pro) and 7.5 mg ml-1 for phenyllactic acid. Combinations of the antifungal compds. revealed weak synergistic effects. The production of the antifungal cyclic dipeptides cyclo(L-Phe-L-Pro) and cyclo(L-Phe-trans-4-OH-L-Pro) by lactic acid bacteria is reported here for the first time.

=> d 6 ibib abs kwic

L34 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:800526 CAPLUS
DOCUMENT NUMBER: 136:121003
TITLE: In situ nuclear magnetic resonance investigations of lithium ions in carbon electrode materials using a novel detector
AUTHOR(S): Gerald, R. E, II; Sanchez, J.; Johnson, C. S.; Klingler, R. J.; Rathke, J. W.
CORPORATE SOURCE: Chemical Technology Division, Argonne National Laboratory, Argonne, IL, 60439, USA
SOURCE: Journal of Physics: Condensed Matter (2001), 13(36), 8269-8285
CODEN: JCOMEL; ISSN: 0953-8984
PUBLISHER: Institute of Physics Publishing
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The reversible electrochem. process (insertion/extraction) of lithium ions in **graphitic carbon** was monitored in situ for the first time by ^7Li **NMR** (**NMR**) spectroscopy using a novel **NMR** apparatus. The compression coin cell battery imager is a simple device that combines the functions of an electrochem. cell and an **NMR** detector. A series of ^7Li **NMR** spectra obtained for a blend of spherical and flaky disordered **graphitic carbon** particles revealed two distinct chemical shift signatures for the lithium ions that were inserted and extracted in the first electrochem. cycle. The lithium signal at .apprx.50 ppm is consistent with the interplane sites for lithium ions on the sixfold axis between two stacked aromatic carbon rings aligned in registry. The second predominant lithium signal at .apprx.12 ppm occurs in the chemical shift region reported for high-stage lithiated graphite and a dispersion of lithium-ion sites found in disordered carbon matrixes. In addition, we observed chemical shift signatures similar to those assigned to Li-7 nuclei in lithium oxide, lithium carbonate, lithium alkyls, and lithium alkoxides that occur near 0 ppm and represent lithium nuclei that are irreversibly bound in the electrode/electrolyte interphase. An increase in intensity in the spectral region that is normally associated with irreversibly bound lithium was observed during the first discharge cycle, as anticipated. However, the same peaks in the spectrum unexpectedly diminished during the subsequent charge cycle, suggesting that the interphase between the carbon electrode and the electrolyte is built up over several cycles.

REFERENCE COUNT: 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB The reversible electrochem. process (insertion/extraction) of lithium ions in **graphitic carbon** was monitored *in situ* for the first time by ^{7}Li **NMR** (**NMR**) spectroscopy using a novel **NMR** apparatus. The compression coin cell battery imager is a simple device that combines the functions of an electrochem. cell and an **NMR** detector. A series of ^{7}Li **NMR** spectra obtained for a blend of spherical and flaky disordered **graphitic carbon** particles revealed two distinct chemical shift signatures for the lithium ions that were inserted and extracted in the first electrochem. cycle. The lithium signal at .apprx.50 ppm is consistent with the interplane sites for lithium ions on the sixfold axis between two stacked aromatic carbon rings aligned in registry. The second predominant lithium signal at .apprx.12 ppm occurs in the chemical shift region reported for high-stage lithiated graphite and a dispersion of lithium-ion sites found in disordered carbon matrixes. In addition, we observed chemical shift signatures similar to those assigned to Li-7 nuclei in lithium oxide, lithium carbonate, lithium alkyls, and lithium alkoxides that occur near 0 ppm and represent lithium nuclei that are irreversibly bound in the electrode/electrolyte interphase. An increase in intensity in the spectral region that is normally associated with irreversibly bound lithium was observed during the first discharge cycle, as anticipated. However, the same peaks in the spectrum unexpectedly diminished during the subsequent charge cycle, suggesting that the interphase between the carbon electrode and the electrolyte is built up over several cycles.

=> d 7 ibib

L34 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:158524 CAPLUS
DOCUMENT NUMBER: 132:198742
TITLE: Isolation and identification of unsaturated fatty acid methyl esters from marine micro-algae
AUTHOR(S): Viron, C.; Saunois, A.; Andre, P.; Perly, B.; Lafosse, M.
CORPORATE SOURCE: UFR Sciences, Institut Chimie Organique et Analytique, CNRS UPRES A 6005, Universite d'Orleans, Orleans, 45067, Fr.
SOURCE: Analytica Chimica Acta (2000), 409(1-2), 257-266
CODEN: ACACAM; ISSN: 0003-2670
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 8 ibib

L34 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:305076 CAPLUS
DOCUMENT NUMBER: 132:336593
TITLE: Organic petrology, chemical composition, and reflectance of pyrobitumen from the El Soldado copper deposit, Chile
AUTHOR(S): Wilson, N. S. F.
CORPORATE SOURCE: Department of Earth Sciences, Dalhousie University, Halifax, NS, Can.
SOURCE: International Journal of Coal Geology (2000), 43(1-4), 53-82
CODEN: IJCGDE; ISSN: 0166-5162
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal

LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 9 ibib

L34 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:322896 CAPLUS
DOCUMENT NUMBER: 131:73223
TITLE: Canastanes: Ab Initio Quantum Mechanical Prediction of New Curved Polynuclear Aromatic Hydrocarbon Motif
AUTHOR(S): Baldridge, Kim K.; Siegel, Jay S.
CORPORATE SOURCE: San Diego Supercomputer Center and Department of Chemistry, University of California San Diego, La Jolla, CA, 92093-0358, USA
SOURCE: Journal of the American Chemical Society (1999), 121(22), 5332-5333
PUBLISHER: CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: American Chemical Society
LANGUAGE: Journal
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 10 ibib

L34 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:494536 CAPLUS
DOCUMENT NUMBER: 131:236539
TITLE: Solid-state nuclear magnetic resonance spectroscopy of low dielectric constant films from pulsed hydrofluorocarbon plasmas
AUTHOR(S): Lau, Kenneth K. S.; Gleason, Karen K.
CORPORATE SOURCE: Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA, 02139, USA
SOURCE: Journal of the Electrochemical Society (1999), 146(7), 2652-2658
PUBLISHER: CODEN: JESOAN; ISSN: 0013-4651
DOCUMENT TYPE: Electrochemical Society
LANGUAGE: Journal
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11 ibib

L34 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:678058 CAPLUS
DOCUMENT NUMBER: 131:306549
TITLE: Superheated water: a new look at chromatographic eluents for reversed-phase HPLC
AUTHOR(S): Smith, Roger M.; Burgess, Robert J.; Chienthavorn, Orapin; Bone, Joanne R.
CORPORATE SOURCE: Department of Chemistry, Loughborough University, Loughborough, Leicestershire, LE11 3TU, UK
SOURCE: LC-GC (1999), 17(10), 938, 940, 942, 944-945
PUBLISHER: CODEN: LCGCE7; ISSN: 0888-9090
DOCUMENT TYPE: Advanstar Communications, Inc.
LANGUAGE: Journal
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 12 ibib

L34 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:342162 CAPLUS
DOCUMENT NUMBER: 131:160588
TITLE: Preparation and characterization of carbonaceous matter rich in diamond-like carbon and carbyne moieties
AUTHOR(S): Cataldo, Franco; Capitani, Donatella
CORPORATE SOURCE: Progega s.n.c., Rome, 00133, Italy
SOURCE: Materials Chemistry and Physics (1999), 59(3), 225-231
CODEN: MCHPDR; ISSN: 0254-0584
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 13 ibib

L34 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:129580 CAPLUS
DOCUMENT NUMBER: 128:127712
TITLE: Solid State 13C and 19F NMR Characterization of Fluorinated Charcoal
AUTHOR(S): Hagaman, Edward W.; Murray, David K.; Cul, G. D. Del
CORPORATE SOURCE: Chemical and Analytical Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN, 37831-6201, USA
SOURCE: Energy & Fuels (1998), 12(2), 399-408
CODEN: ENFUEM; ISSN: 0887-0624
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 14 ibib

L34 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
ACCESSION NUMBER: 1997:335170 CAPLUS
DOCUMENT NUMBER: 126:339851
TITLE: Identification of a novel animal metabolite of methomyl insecticide
AUTHOR(S): Reiser, Robert W.; Dietrich, Robert F.; Djanegara, Tanya K. S.; Fogiel, Arthur J.; Payne, William G.; Ryan, David L.; Zimmerman, William T.
CORPORATE SOURCE: DuPont Agricultural Products, Wilmington, DE, 19880-0402, USA
SOURCE: Journal of Agricultural and Food Chemistry (1997), 45(6), 2309-2313
CODEN: JAFCAU; ISSN: 0021-8561
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 15 ibib

L34 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:213036 CAPLUS
DOCUMENT NUMBER: 126:280001
TITLE: An 19F and 13C NMR study of CF_x prepared by variable temperature fluorination of charcoal with elemental fluorine
AUTHOR(S): Murray, D. K.; Hagaman, E. W.; Del Cul, G. D.
CORPORATE SOURCE: Chemical & Analytical Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN, 37831-6201, USA
SOURCE: Preprints of Papers - American Chemical Society, Division of Fuel Chemistry (1997), 42(1), 232-237
CODEN: ACFPAI; ISSN: 0569-3772
PUBLISHER: American Chemical Society, Division of Fuel Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 15 abs kwic

L34 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB The preparation of CF_x by elemental fluorination of charcoal is studied using solid state 13C and 19F **NMR** spectroscopy. 19F-13C CP/MAS **NMR** expts. are used to determine the extent of fluorination vs. reaction temperature Four types of carbon species are observed over the temperature range -80°C to 350°C, assigned to **graphitic carbon** (C), CF, CF₂ and CF₃. These species are assigned and quantified using dipolar dephasing and variable contact time expts. **NMR** results are presented along with gravimetric and ESCA results to provide new insights into charcoal structure and fluorination.
AB The preparation of CF_x by elemental fluorination of charcoal is studied using solid state 13C and 19F **NMR** spectroscopy. 19F-13C CP/MAS **NMR** expts. are used to determine the extent of fluorination vs. reaction temperature Four types of carbon species are observed over the temperature range -80°C to 350°C, assigned to **graphitic carbon** (C), CF, CF₂ and CF₃. These species are assigned and quantified using dipolar dephasing and variable contact time expts. **NMR** results are presented along with gravimetric and ESCA results to provide new insights into charcoal structure and fluorination.

=> d 16 ibib

L34 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:161393 CAPLUS
TITLE: A 19F and 13C NMR study of CF_x prepared by variable temperature fluorination of charcoal with elemental flourine.
AUTHOR(S): Murray, David K.; Hagaman, Edward W.; Del Cul, G. D.
CORPORATE SOURCE: Chemical & Analytical Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN, 37831-6201, USA
SOURCE: Book of Abstracts, 213th ACS National Meeting, San Francisco, April 13-17 (1997), FUEL-121. American Chemical Society: Washington, D. C.
CODEN: 64AOAA
DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English

=> d 17 ibib

L34 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:328838 CAPLUS
DOCUMENT NUMBER: 122:112877

TITLE: The evolutionary process during pyrolytic transformation of poly(N-methylsilazane) from a preceramic polymer into an amorphous silicon nitride/carbon composite

AUTHOR(S): Laine, Richard M.; Babonneau, Florence; Blowhowiak, Kay Y.; Kennish, Richard A.; Rahn, Jeffrey A.; Exarhos, Gregory J.; Waldner, Kurt

CORPORATE SOURCE: Dep. Mater. Sci. Eng., Univ. Michigan, Ann Arbor, MI, 48109-2136, USA

SOURCE: Journal of the American Ceramic Society (1995), 78(1), 137-45

CODEN: JACTAW; ISSN: 0002-7820

PUBLISHER: American Ceramic Society

DOCUMENT TYPE: Journal

LANGUAGE: English

=> d 18 ibib

L34 ANSWER 18 OF 21 USPATFULL on STN
ACCESSION NUMBER: 94:28568 USPATFULL
TITLE: Chemical vapor deposition from single organometallic precursors

INVENTOR(S): Barron, Andrew R., Cambridge, MA, United States
Power, Michael B., Quincy, MA, United States
MacInnes, Andrew N., Dorchester, MA, United States
Hepp, Aloysius F., Bay Village, OH, United States
Jenkins, Phillip P., Cleveland Heights, OH, United States

PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|---|------|--------------|
| PATENT INFORMATION: | US 5300320 | | 19940405 |
| APPLICATION INFO.: | US 1992-903256 | | 19920623 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Beck, Shrive | | |
| ASSISTANT EXAMINER: | Maiorana, David M. | | |
| LEGAL REPRESENTATIVE: | Hamilton, Brook, Smith & Reynolds | | |
| NUMBER OF CLAIMS: | 23 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 12 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 721 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

=> d 19 ibib

L34 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:587406 CAPLUS
DOCUMENT NUMBER: 121:187406
TITLE: Direct isomeric separation of a 3-hydroxyproline-containing prodrug, L-693989, by high-performance liquid chromatography with a porous graphitic carbon column

AUTHOR(S): Bell, Carrie; Tsai, Eric W.; Ip, Dominic P.; Mathre, David J.

CORPORATE SOURCE: Department of Pharmaceutical Research, Merck Research Laboratories, Sumneytown Pike, West Point, PA, 19486, USA

SOURCE: Journal of Chromatography, A (1994), 675(1-2), 248-52

CODEN: JCRAEY; ISSN: 0021-9673

DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 20 ibib

L34 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:84334 CAPLUS
DOCUMENT NUMBER: 120:84334
TITLE: Characterization of the pyrolytic conversion of polysilsesquioxanes to silicon oxycarbides
AUTHOR(S): Hurwitz, F. I.; Heimann, P.; Farmer, S. C.; Hembree, D. M., Jr.
CORPORATE SOURCE: NASA Lewis Res. Cent., Cleveland, OH, 44135, USA
SOURCE: Journal of Materials Science (1993), 28(24), 6622-30
CODEN: JMTSAS; ISSN: 0022-2461
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 21 ibib

L34 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1993:102045 CAPLUS
DOCUMENT NUMBER: 118:102045
TITLE: Laser-induced explosive decomposition of (fluoromethyl)silanes: reductive chemistry initiated by laser photolysis
AUTHOR(S): Pola, J.; Bastl, Z.; Tlaskal, J.; Beckers, H.; Buerger, H.; Moritz, P.
CORPORATE SOURCE: Inst. Chem. Process Fundam., Czech. Acad. Sci., Prague, 16502, Czech.
SOURCE: Organometallics (1993), 12(1), 171-6
CODEN: ORGND7; ISSN: 0276-7333
DOCUMENT TYPE: Journal
LANGUAGE: English

=> s graphite(p) (contrast agent or imaging agent or mri)
L35 41 GRAPHITE(P) (CONTRAST AGENT OR IMAGING AGENT OR MRI)

=> s l35 not l34
L36 41 L35 NOT L34

=> d ibib

L36 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:95363 CAPLUS
DOCUMENT NUMBER: 140:166190
TITLE: Production of endohedral fullerenes
INVENTOR(S): Dunsch, Lothar; Georgi, Petra; Ziegs, Frank; Zoeller, Heidi
PATENT ASSIGNEE(S): Leibniz-Institut fuer Festkoerper- und Werkstoffforschung e.V., Germany
SOURCE: Ger. Offen., 3 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|------------------|----------|
| DE 10301722 | A1 | 20040205 | DE 2003-10301722 | 20030115 |

WO 2004016624 A2 20040226 WO 2003-DE2501 20030721
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
 NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
 GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2002-10233566 IA 20020722

=> d 2 ibib

L36 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:483763 CAPLUS
 DOCUMENT NUMBER: 137:66109
 TITLE: Carbon- and CxN-coated iron nanocrystals synthesized
 by a modified AC arc method in N2 buffer gas
 AUTHOR(S): Jiang, Ming; Zhang, Xungao; Liu, Ying; Mao, Hui
 CORPORATE SOURCE: Tongji Medical College, School of Pharmacy, Huazhong
 University of Science and Technology, Wuhan, 430030,
 Peop. Rep. China
 SOURCE: Journal of Materials Science Letters (2002), 21(6),
 455-456
 PUBLISHER: Kluwer Academic Publishers
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3 ibib

L36 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:290831 CAPLUS
 DOCUMENT NUMBER: 134:307326
 TITLE: Fullerols including gadolinium and their use as
 contrast agents
 INVENTOR(S): Kato, Haruto; Shinohara, Hisanori; Mitsukawa, Masato;
 Miwa, Naoto
 PATENT ASSIGNEE(S): Schering A. G., Germany
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 2001114713 | A2 | 20010424 | JP 1999-293901 | 19991015 |
| PRIORITY APPLN. INFO.: | | | JP 1999-293901 | 19991015 |

=> d 4 ibib

L36 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:596579 CAPLUS
 DOCUMENT NUMBER: 129:265529

TITLE: Spectroscopic and Electrochemical Evaluation of a Perfluorosulfonated Ionomer and Its Gel as Preconcentrating Media for $[ReI(DMPE)3]^+$, Where DMPE = 1,2-Bis(dimethylphosphino)ethane

AUTHOR(S): Swaile, Beverly H.; Blubaugh, Elmo A.; Seliskar, Carl J.; Heineman, William R.

CORPORATE SOURCE: Department of Chemistry, University of Cincinnati, Cincinnati, OH, 45221-0172, USA

SOURCE: Analytical Chemistry (1998), 70(20), 4326-4332

CODEN: ANCHAM; ISSN: 0003-2700

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 5 ibib

L36 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:551242 CAPLUS
DOCUMENT NUMBER: 127:228732
TITLE: Gadolinium-containing fullerenes for MRI contrast agent applications

AUTHOR(S): Cagle, Dawson W.; Alford, J. Michael; Tien, Jade; Wilson, Lon J.

CORPORATE SOURCE: Department of Chemistry and Laboratory for Biochemical and Genetic Engineering, Rice University, Houston, TX, 77005, USA

SOURCE: Proceedings - Electrochemical Society (1997), 97-14(Recent Advances in the Chemistry and Physics of Fullerenes and Related Materials), 361-368

CODEN: PESODO; ISSN: 0161-6374

PUBLISHER: Electrochemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 6 ibib

L36 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:37114 CAPLUS
DOCUMENT NUMBER: 124:182516
TITLE: Wear resistance of aluminum-matrix composites obtained by powder metallurgy

AUTHOR(S): Garcia G., Sergio; Aramburo P., Gerardo; Gonzalez R., Carlos; Garcia H., Alejandro; Cervantes T. Arturo; Castaneda, H. Carlos

CORPORATE SOURCE: Fac. Quim., Univ. Nacional Autonoma Mexico, Mexico City, 04510, Mex.

SOURCE: Congresso Anual - Associacao Brasileira de Metalurgia e Materiais (1995), Volume Date 1994, 49th(Vol. 9, Materiais Nao-Metalicos: Desenvolvimento de Polimeros, Ceramicos e Compositos), 301-12

CODEN: CAAMEU

PUBLISHER: Associacao Brasileira de Metalurgia e Materiais

DOCUMENT TYPE: Journal

LANGUAGE: Spanish

=> d 5 ibib abs kwic

L36 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:551242 CAPLUS
DOCUMENT NUMBER: 127:228732
TITLE: Gadolinium-containing fullerenes for MRI contrast agent applications
AUTHOR(S): Cagle, Dawson W.; Alford, J. Michael; Tien, Jade; Wilson, Lon J.
CORPORATE SOURCE: Department of Chemistry and Laboratory for Biochemical and Genetic Engineering, Rice University, Houston, TX, 77005, USA
SOURCE: Proceedings - Electrochemical Society (1997), 97-14(Recent Advances in the Chemistry and Physics of Fullerenes and Related Materials), 361-368
CODEN: PESODO; ISSN: 0161-6374
PUBLISHER: Electrochemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Gd@C82 was purified by a new method employing variable-temperature sublimation techniques and HPLC chromatog. under anaerobic conditions. Sample purity was judged to be 95%, as determined by quant. LD TOF-MS. The compound slowly precipitated from solution after exposure to air. The parent Gd@C82 compound was derivatized by literature methods to obtain the endohedral metallofullerol, Gd@C82(OH)x. After derivatization, the product remained soluble in aerated water indefinitely. Aqueous solns. of Gd@C82(OH)x were then evaluated by NMR dispersion (NMRD) to determine its value as an MRI contrast agent. Results from this preliminary anal. determined the relaxivity (R1) of the compound to be 0.43 mM⁻¹sec⁻¹, a value which is consistent with an outer-sphere proton relaxation mechanism between water mols. and the 220 Å² metallofullerol cage surface.
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 7782-42-5, Graphite, reactions 10168-81-7, Gadolinium nitrate
RL: RCT (Reactant); RACT (Reactant or reagent)
(for preparation of gadolinium endohedral metallofullerene and its hydroxylated derivative as potential MRI contrast agent)

=> d 6 ibib abs kwic

L36 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:37114 CAPLUS
DOCUMENT NUMBER: 124:182516
TITLE: Wear resistance of aluminum-matrix composites obtained by powder metallurgy
AUTHOR(S): Garcia G., Sergio; Aramburo P., Gerardo; Gonzalez R., Carlos; Garcia H., Alejandro; Cervantes T. Arturo; Castaneda, H. Carlos
CORPORATE SOURCE: Fac. Quim., Univ. Nacional Autonoma Mexico, Mexico City, 04510, Mex.
SOURCE: Congresso Anual - Associacao Brasileira de Metalurgia e Materiais (1995), Volume Date 1994, 49th(Vol. 9, Materiais Nao-Metalicos: Desenvolvimento de Polimeros, Ceramicos e Compositos), 301-12
CODEN: CAAMEU
PUBLISHER: Associacao Brasileira de Metalurgia e Materiais
DOCUMENT TYPE: Journal
LANGUAGE: Spanish
AB The wear resistance of Al-matrix composites with SIC, Al₂O₃, graphite, and ZrO₂-SiO₂ particulate reinforcements was studied. The starting Al powder had composition Zn 0.0051, Fe 0.1070, Ni 0.0026, Cu 0.0130, Mn 0.0310, Mg 0.0017, Pb 0.0035, and Al 99.8361%. The composites were characterized by dry wear testing using small specimens

under various conditions (amount of reinforcing particles and friction distances and rates). The Brinell hardness, the distribution of the reinforcing particles, and the porosity of the samples were also determined SEM was used to determine the wear mechanism and to analyze the interface between the particles and the Al matrix. Differences in the performance of the composites are discussed.

- AB The wear resistance of Al-matrix composites with SIC, Al₂O₃, graphite, and ZrO₂-SiO₂ particulate reinforcements was studied. The starting Al powder had composition Zn 0.0051, Fe 0.1070, Ni 0.0026, Cu 0.0130, Mn 0.0310, Mg 0.0017, Pb 0.0035, and Al 99.8361%. The composites were characterized by dry wear testing using small specimens under various conditions (amount of reinforcing particles and friction distances and rates). The Brinell hardness, the distribution of the reinforcing particles, and the porosity of the samples were also determined SEM was used to determine the wear mechanism and to analyze the interface between the particles and the Al matrix. Differences in the performance of the composites are discussed.

=> d 7 ibib abs kwic

L36 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1988:34181 CAPLUS
DOCUMENT NUMBER: 108:34181
TITLE: Technegas - a new ventilation agent for lung scanning
AUTHOR(S): Burch, William M.; Sullivan, Paul J.; McLaren, Christopher J.
CORPORATE SOURCE: John Curtin Sch. Med. Res., Australian Natl. Univ.,
Acton, 2601, Australia
SOURCE: Nuclear Medicine Communications (1986), 7(12), 865-71,
4 plates
CODEN: NMCODC; ISSN: 0143-3636
DOCUMENT TYPE: Journal
LANGUAGE: English

- AB Technegas, a 99mTc-labeled C ultrafine dispersion, was prepared at 2500° in a graphite crucible using a generator eluate and used clin. as a lung ventilation imaging agent. Tomog. imaging with Technegas allowed the diagnosis of pulmonary embolism in patients. The agent showed almost no lung clearance and had an effective half-life in the body of 355 min. Computer subtraction images were also obtained.

- AB Technegas, a 99mTc-labeled C ultrafine dispersion, was prepared at 2500° in a graphite crucible using a generator eluate and used clin. as a lung ventilation imaging agent. Tomog. imaging with Technegas allowed the diagnosis of pulmonary embolism in patients. The agent showed almost no lung clearance and had an effective half-life in the body of 355 min. Computer subtraction images were also obtained.

=> d 8 ibib abs kwic

L36 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1982:528484 CAPLUS
DOCUMENT NUMBER: 97:128484
TITLE: Improvement of the x-ray procedure for the detection of defective adhesions in fiber composites by adding contrast substances to the adhesives
AUTHOR(S): Lembke, Bernd
CORPORATE SOURCE: Dornier-Werke G.m.b.H., Friedrichshafen, Fed. Rep. Ger.
SOURCE: Report (1981), BMVg-FBWT-81-11, 61 pp. Avail.: NTIS
From: Sci. Tech. Aerosp. Rep. 1982, 20(10), Abstr. No. N82-19324

DOCUMENT TYPE: Report
LANGUAGE: German

AB The detectability of defective cohesion in carbon fiber composites (CFC) by an x-ray procedure is improved by increasing the absorption capacity of the adhesive by adding the contrast substances BaSO₄ or Al. The adhesives BSL 313A [72162-76-6] and AF 126-2 [66419-20-3] were tested with and without additives on metal-metal adhesion samples for strength and aging behavior and its defect detectability. CFC laminate cohessions with defined defects were x-ray tested under various aging conditions with respect to tensile shearing strength, peeling resistance, shear deformation, and dynamic strength. The most favorable results were achieved with 12% BaSO₄ added to BSL 313 A, or with 9% added to AF 126-2. Specifications for the production of the adhesive sheet are provided for these adhesive systems.

ST epoxy **graphite** defectoscopy; adhesion defect x ray;
contrast agent defectoscopy

=> d 9 ibib abs kwic

L36 ANSWER 9 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2004:8015 USPATFULL
TITLE: Embedded radiation emitter for the localization and dosimetry of brachytherapy seed implants
INVENTOR(S): Sajo, Erno, Baton Rouge, LA, UNITED STATES
Williams, Mark L., Baton Rouge, LA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2004006255 | A1 | 20040108 |
| APPLICATION INFO.: | US 2002-188596 | A1 | 20020702 (10) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | PATENT DEPARTMENT, TAYLOR, PORTER, BROOKS & PHILLIPS, L.L.P., P.O. BOX 2471, BATON ROUGE, LA, 70821-2471 | | |
| NUMBER OF CLAIMS: | 30 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 5 Drawing Page(s) | | |
| LINE COUNT: | 615 | | |

AB A device and method for improving the identification, localization, and dosimetry of brachytherapy seeds. The device is a brachytherapy seed comprising a therapeutic isotope and a marker isotope having an activity that is a fraction of the activity produced by the therapeutic isotope. The marker isotope emits positrons and/or photons capable of being imaged using radiation detection devices (e.g., positron emission tomography (PET), single-photon emission computed tomography (SPECT), gamma camera, computed tomography (CT)). The radiation dose of the marker isotope delivered beyond the immediate vicinity of the brachytherapy seed is low because the marker isotope is adapted to have an activity of at least one to two orders of magnitude lower than the activity of the therapeutic isotope. Thus, the presence of the marker isotope will not alter the therapeutic characteristics of the brachytherapy seed.

DETD . . . 0.8 mm dia. titanium tubing having a wall thickness of approximately 0.08 mm and a length of 4.5 mm. Two **graphite** pellets 6, plated with Pd-103, were inserted into capsule 4 to produce therapeutic activity. **Graphite** pellets 6 have an approximate length of 1 mm and a diameter of 0.6 mm. Marker 8 was placed between **graphite** pellets 6 to allow detection by CT scans or other imaging methods (e.g., fluoroscopic images, magnetic resonance imaging (MRI), and ultrasound imaging). (The actual composition of marker 8 is proprietary; however, it is believed that said marker 8 comprises.

=> d 10 ibib abs kwic

L36 ANSWER 10 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2003:312970 USPATFULL
TITLE: Cardiac gating method and system
INVENTOR(S): Ho, Vincent B., N. Bethesda, MD, UNITED STATES
Haigney, Mark C., Annapolis, MD, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2003220578 | A1 | 20031127 |
| APPLICATION INFO.: | US 2002-285702 | A1 | 20021101 (10) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2001-330894P | 20011102 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MORRISON & FOERSTER LLP, 1650 TYSONS BOULEVARD, SUITE 300, MCLEAN, VA, 22102 | |
| NUMBER OF CLAIMS: | 40 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 5 Drawing Page(s) | |
| LINE COUNT: | 880 | |

AB The invention provides new materials and devices for EKG gating and defibrillation that alleviate problems in the art. Embodiments of the invention utilize special electrodes of certain dimensions and made from materials that can generate trigger signals or transmit pulses more reliably and/or with less interference to other diagnostic procedures. The electrodes and systems improve the amplitude and overall reliability of detecting EKG signals. The improved signals enable more reliable detection of a true cardiac phase and improved cardiac gating. Thus, embodiments of the invention lead to improved image quality, more accurate imaging of cardiac and intrathoracic/upper abdominal structures and improved referencing of systemic arterial blood flow for blood flow measurement within the chest and elsewhere in the body, including, for example, the extremities.

SUMM [0012] The distortion problem in an MRI scan from metal electrodes and conductors was addressed by van Genderingen et al., who showed that graphite materials need to be reinforced with plastic to prevent breakage [10]. This group used electrodes that were similar in size. . .

=> d 11 ibib abs kwic

L36 ANSWER 11 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2003:139428 USPATFULL
TITLE: Fiber optic interferometric vital sign monitor for use in magnetic resonance imaging, confined care facilities and in-hospital
INVENTOR(S): Varshneya, Deepak, Del Mar, CA, UNITED STATES
Maida, John L., JR., Houston, TX, UNITED STATES
Jeffers, Larry A., Minerva, OH, UNITED STATES
PATENT ASSIGNEE(S): Deepak Varshneya (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2003095263 | A1 | 20030522 |
| APPLICATION INFO.: | US 2002-299414 | A1 | 20021119 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2000-499889, filed | | |

DOCUMENT TYPE: on 8 Feb 2000, GRANTED, Pat. No. US 6498652
FILE SEGMENT: Utility
LEGAL REPRESENTATIVE: APPLICATION
WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A., P.O. Box
99839, Cleveland, OH, 44199-0839
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14 Drawing Page(s)
LINE COUNT: 2871

AB A fiber optic monitor that utilizes optical phase interferometry to monitor a patient's vital signs such as respiration, cardiac activity, blood pressure and body's physical movement. The monitor, which is non-invasive, comprises an optical fiber interferometer that includes an optical fiber proximately situated to the patient so that time varying acousto-mechanical signals from the patient are coupled into the optical fiber. Responsive thereto, the interferometer generates a time-varying optical intensity resulting from the interference of optical signals, which are detected at a photo-detector. A signal processor coupled to the optical detector provides one or more processed output signals indicative of the vital functions. The monitor system has broad applicability, from routine monitoring of infants at home to detection of apnea, arrhythmia, blood pressure and trauma. The system can be implemented in embodiments ranging from a low cost in-home monitor for infants to a high end product for in hospital use. The monitor can be integrated with other sensors such as an EKG, a video or still camera, an oxygen sensor, a carbon dioxide sensor, temperature sensor or a microphone to get additional required information depending on the application. When integrated and combined with EKG information, the monitor provides ballisto-mechanical information of the heart for early diagnosis of cardiac conditions or prediction of events or for correcting corrupted EKG signals due to time varying magnetic and electric fields. In some embodiments of the monitor, the system can be made portable so that the patient can walk around while still being continuously monitored for vital signs. Another suitable design measures blood pressure continuously and non-invasively by containing the fiber optic sensor in a cuff that wraps around an arterial wall of the patient. The fiber optic monitor may be designed for use in a variety of settings including an operating room, a recovery room, an intensive care unit, a magnetic resonance imaging laboratory, a computerized tomography scan laboratory and an elderly care facility.

SUMM . . . and make it difficult to interpret the patient condition while the third effect causes skin bums. As a result, several **MRI** compatible EKG monitoring systems have been developed utilizing EKG electrodes and leads made of carbon **graphite** vs. the typical Ag/AgCl. The carbon **graphite** material is used to lower resistance at these RF frequencies and eliminate ferromagnetism so that the interference induced heating is minimized. Additionally, filters are used in the signal processing to minimize artifacts. Although using **graphite** electrodes, special filters, ensuring cable straightness, and placing towels on the patient's chest minimizes the skin bums, the false R. . . .

DETD . . . the vital signs of patients that are either sedated or present a high risk of having heart attacks during the **MRI**. In addition to their completely passive characteristics, they are non-invasive providing ease of use without posing any bio-chemical threats. They are small in size similar to **graphite** electrodes, can be configured to monitor local or distributed areas depending on if they are configured as optrodes, mattress pads. . . . due to their interferometric characteristics. These properties are used in monitoring the key vital signs and addressing the above listed **MRI** problems.

=> d 12 ibib

L36 ANSWER 12 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2003:93845 USPATFULL
TITLE: Derivatization and solubilization of insoluble classes
of fullerenes
INVENTOR(S): Bolskar, Robert D., Boulder, CO, UNITED STATES
Alford, J. Michael, Lakewood, CO, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2003065206 | A1 | 20030403 |
| APPLICATION INFO.: | US 2002-263375 | A1 | 20021001 (10) |

| | NUMBER | DATE |
|--|---|---------------|
| PRIORITY INFORMATION: | US 2002-371380P | 20020409 (60) |
| | US 2001-326353P | 20011001 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | GREENLEE WINNER AND SULLIVAN P C, 5370 MANHATTAN CIRCLE, SUITE 201, BOULDER, CO, 80303 | |
| NUMBER OF CLAIMS: | 55 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 9 Drawing Page(s) | |
| LINE COUNT: | 2336 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

=> d 13 ibib

L36 ANSWER 13 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2002:180910 USPATFULL
TITLE: Radiation therapy and radiation surgery treatment
system and methods of use of same
INVENTOR(S): Shepherd, Joseph S., 2004 Le Droit Dr., South Pasadena,
CA, United States 91030
Rand, Robert W., 521 North Bristol Ave., Los Angeles,
CA, United States 90049

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6422748 | B1 | 20020723 |
| APPLICATION INFO.: | US 2000-588793 | | 20000606 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1998-84945, filed on 26 May 1998, now patented, Pat. No. US 6104779 Continuation of Ser. No. US 1995-573695, filed on 18 Dec 1995, now patented, Pat. No. US 5894503 Division of Ser. No. US 1994-240374, filed on 10 May 1994, now patented, Pat. No. US 5537452 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | GRANTED | | |
| PRIMARY EXAMINER: | Porta, David P. | | |
| LEGAL REPRESENTATIVE: | Lyon & Lyon LLP | | |
| NUMBER OF CLAIMS: | 9 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 7 Drawing Page(s) | | |
| LINE COUNT: | 607 | | |

=> d 13 abs kwic

L36 ANSWER 13 OF 41 USPATFULL on STN
AB A radiosurgery and radiotherapy system to provide diagnostic imaging and

target localization via a patient 3-D mapping means such as a CT scanner or MRI, patient positioning via a four degree of freedom of motion table, and a stereotactic Cobalt 60 therapy unit incorporating multiple sources to therapeutically irradiate a target is provided. Methods of radiosurgery and radiotherapy utilizing the system are also provided. A combination of radiation source configuration, 360 degree rotational characteristics of the therapy unit, and table movement will allow any size and shape of target to be irradiated to therapeutic levels while decreasing radiation exposure to surrounding healthy tissue. A radiation beam catcher which captures greater than 80% and preferably greater than 90 percent of the radiation from the radiation sources is also provided.

DETD . . . A patient is placed on the treatment table. The treatment table is rotated so as to enter the CT or **MRI** unit. In the case of **MRI**, the treatment table must be constructed of materials compatible with an **MRI**. Most generally, this excludes the use of metal for that part of the treatment table which actually enters the **MRI** unit. Suitable materials include honeycomb reinforced plastics or composite materials such as plastic or **graphite** composites. In a preferred embodiment, the dose reduction/scatter coefficient for table attenuation is less than 1.5% as compare to the. . . another preferred embodiment a heated table top may be included for patient comfort. Imaging data generated from the CT or **MRI** unit is encoded and transferred into the central processing unit (CPU) of the CCC. The CT or **MRI** unit is controlled from the control panel provided with the CT or **MRI** unit. The treatment table provides four axes of movement: Vertical, Lateral, Horizontal, and Rotational. In preferred embodiments the range of. . . In a preferred embodiment, this will automatically: a. rotate the table 180 degrees to position it in the CT or **MRI** unit; b. center the table laterally in the CT or **MRI** unit opening; c. vertically adjust the table so that the treatment table top is within a range of 0-200 mm, preferably 100 mm, below X and Y centerline coordinates of the CT or **MRI** unit. Once this is accomplished, the technician actuates a "CT center" switch on the pedestal controller or the CCC. This moves the treatment table to a preprogrammed position within the CT or **MRI** unit. The technician will then leave the treatment room. The treatment table is embedded with X (horizontal) and Z (lateral) reference markers which are visible on the CT or **MRI** display, for example, for the CT a metal and for the **MRI**, preferably aluminum is used as reference marker material. A one slice CT or **MRI** image is taken and the data is compared to the "calibration reference data" (CRD) for this position to verify X, . . . of the table travel. The table has identical reference markers embedded at this position. A second one slice CT or **MRI** image is taken and compared to the CRD. The CRD comprises a CT slice of each of two reference positions. . .

=> d 14 ibib

L36 ANSWER 14 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2002:95076 USPATFULL
TITLE: Insulated skull pins
INVENTOR(S): Birk, Janel A., Calabasas, CA, United States
PATENT ASSIGNEE(S): Hover, Anne E., Plava Del Rev, CA, United States
DePuy AcroMed, Inc., Cleveland, OH, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6379362 | B1 | 20020430 |
| APPLICATION INFO.: | US 1999-354615 | | 19990716 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1997-988082, filed on 10 Dec 1997, now patented, Pat. No. US 5961528 | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Reip, David O.
LEGAL REPRESENTATIVE: Barnes & Thornburg
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 643

=> d 15 ibib

L36 ANSWER 15 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2002:46312 USPATFULL
TITLE: Optical imaging of deep anatomic structures
INVENTOR(S): Flock, Stephen Thomas, 13836 W. 66th Dr., Arvada, CO,
United States 80004
Marchitto, Kevin Scott, 14708 Ridgewood Dr., Little
Rock, AR, United States 72211

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6353753 | B1 | 20020305 |
| APPLICATION INFO.: | US 1999-305418 | | 19990505 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1998-84283P | 19980505 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Manuel, George | |
| LEGAL REPRESENTATIVE: | Adler, Benjamin Aaron | |
| NUMBER OF CLAIMS: | 30 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 4 Drawing Figure(s); 4 Drawing Page(s) | |
| LINE COUNT: | 683 | |

=> d 16 ibib

L36 ANSWER 16 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2002:22164 USPATFULL
TITLE: Multi-imaging modality tissue mimicking materials for
imaging phantoms
INVENTOR(S): Madsen, Ernest L., Madison, WI, UNITED STATES
D'Souza, Warren D., Madison, WI, UNITED STATES
Frank, Gary R., Madison, WI, UNITED STATES
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 2002012999 | A1 | 20020131 |
| APPLICATION INFO.: | US 6635486 | B2 | 20031021 |
| RELATED APPLN. INFO.: | US 2001-916683 | A1 | 20010727 (9) |
| DOCUMENT TYPE: | Division of Ser. No. US 1999-353752, filed on 14 Jul 1999, PENDING | | |
| FILE SEGMENT: | Utility | | |
| LEGAL REPRESENTATIVE: | Harry C. Engstrom, Foley & Lardner, 150 E. Gilman Street, P.O. Box 1497, Madison, WI, 53701-1497 | | |
| NUMBER OF CLAIMS: | 46 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 14 Drawing Page(s) | | |
| LINE COUNT: | 1166 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 17 ibib

L36 ANSWER 17 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2001:207181 USPATFULL
TITLE: Multi-imaging modality tissue mimicking materials for imaging phantoms
INVENTOR(S): Madsen, Ernest L., Madison, WI, United States
D'Souza, Warren D., Madison, WI, United States
Frank, Gary R., Madison, WI, United States
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, Madison, WI, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6318146 | B1 | 20011120 |
| APPLICATION INFO.: | US 1999-353752 | | 19990714 (9) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | GRANTED | | |
| PRIMARY EXAMINER: | Kwok, Helen | | |
| ASSISTANT EXAMINER: | Gerber, Charles D. | | |
| LEGAL REPRESENTATIVE: | Foley & Lardner | | |
| NUMBER OF CLAIMS: | 43 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 26 Drawing Figure(s); 14 Drawing Page(s) | | |
| LINE COUNT: | 1148 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 18 ibib

L36 ANSWER 18 OF 41 USPATFULL on STN
ACCESSION NUMBER: 2000:106958 USPATFULL
TITLE: Radiation therapy and radiation surgery treatment system and methods of use of same
INVENTOR(S): Shepherd, Joseph S., 2004 Le Droit Dr., South Pasadena, CA, United States 91030
Rand, Robert W., 521 N. Bristol Ave., Los Angeles, CA, United States 90049

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6104779 | | 20000815 |
| APPLICATION INFO.: | US 1998-84945 | | 19980526 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1995-573695, filed on 18 Dec 1995, now patented, Pat. No. US 5894503 which is a division of Ser. No. US 1994-240374, filed on 10 May 1994, now patented, Pat. No. US 5537452 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Porta, David P. | | |
| LEGAL REPRESENTATIVE: | Lyon & Lyon LLP | | |
| NUMBER OF CLAIMS: | 7 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 7 Drawing Page(s) | | |
| LINE COUNT: | 581 | | |

=> d 118 abs kwic

L18 HAS NO ANSWERS

L10 12 SEA "SHATS E A"/AU OR "SHATS ELENA ALEXANDRA"/AU
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)

L12 10 SEA "BURCH WILLIAM M"/AU
L13 10 SEA L12 NOT L11
L14 10 SEA "BROWITT R"/AU OR "BROWITT R J"/AU OR "BROWITT RODNEY"/AU
OR "BROWITT RODNEY J"/AU OR "BROWITT RODNEY JAMES"/AU
L15 8 SEA L14 NOT (L13 OR L11)
L16 22 SEA "SENDEN TIM J"/AU OR "SENDEN TIMOTHY J"/AU OR "SENDEN
TIMOTHY JOHN"/AU
L17 20 SEA L16 NOT (L15 OR L12 OR L11)
L18 0 SEA L17 AND CARBON

=> d 136 18 abs kwic

L36 ANSWER 18 OF 41 USPATFULL on STN

AB A radiosurgery and radiotherapy system to provide diagnostic imaging and target localization via a patient 3-D mapping means such as a CT scanner or MRI, patient positioning via a four degree of freedom of motion table, and a stereotactic Cobalt 60 therapy unit incorporating multiple sources to therapeutically irradiate a target is provided. Methods of radiosurgery and radiotherapy utilizing the system are also provided. A combination of radiation source configuration, 360 degree rotational characteristics of the therapy unit, and table movement will allow any size and shape of target to be irradiated to therapeutic levels while decreasing radiation exposure to surrounding healthy tissue. A radiation beam catcher which captures greater than 80% and preferably greater than 90 percent of the radiation from the radiation sources is also provided.

DETD . . . A patient is placed on the treatment table. The treatment table is rotated so as to enter the CT or **MRI** unit. In the case of **MRI**, the treatment table must be constructed of materials compatible with an **MRI**. Most generally, this excludes the use of metal for that part of the treatment table which actually enters the **MRI** unit. Suitable materials include honeycomb reinforced plastics or composite materials such as plastic or **graphite** composites. In a preferred embodiment, the dose reduction/scatter coefficient for table attenuation is less than 1.5% as compare to the. . . another preferred embodiment, a heated table top may be included for patient comfort. Imaging data generated from the CT or **MRI** unit is encoded and transferred into the central processing unit (CPU) of the CCC. The CT or **MRI** unit is controlled from the control panel provided with the CT or **MRI** unit. The treatment table provides four axes of movement: Vertical, Lateral, Horizontal, and Rotational. In preferred embodiments the range of. . . In a preferred embodiment, this will automatically: a. rotate the table 180 degrees to position it in the CT or **MRI** unit; b. center the table laterally in the CT or **MRI** unit opening; c. vertically adjust the table so that the treatment table top is within a range of 0-200 mm, preferably 100 mm, below X and Y centerline coordinates of the CT or **MRI** unit. Once this is accomplished, the technician actuates a "CT center" switch on the pedestal controller or the CCC. This moves the treatment table to a preprogrammed position within the CT or **MRI** unit. The technician will then leave the treatment room. The treatment table is embedded with X (horizontal) and Z (lateral) reference markers which are visible on the CT or **MRI** display, for example, for the CT a metal and for the **MRI**, preferably aluminum is used as reference marker material. A one slice CT or **MRI** image is taken and the data is compared to the "calibration reference data" (CRD) for this position to verify X,. . . of the table travel. The table has identical reference markers embedded at this position. A second one slice CT or **MRI** image is taken and compared to the CRD. The CRD comprises a CT slice of each of two reference positions. . .

=> d 19 ibib

L36 ANSWER 19 OF 41 USPATFULL on STN
ACCESSION NUMBER: 1999:120433 USPATFULL
TITLE: Insulated skull pins
INVENTOR(S): Birk, Janel A., Calabasas, CA, United States
PATENT ASSIGNEE(S): Hover, Anne E., Playa Del Rey, CA, United States
Depuy Ace Medical Company, CA, United States (U.S.
corporation)

| | NUMBER | KIND | DATE |
|---------------------|--|------|--------------|
| PATENT INFORMATION: | US 5961528 | | 19991005 |
| APPLICATION INFO.: | US 1997-988082 | | 19971210 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Buiz, Michael | | |
| ASSISTANT EXAMINER: | Reip, David O. | | |
| NUMBER OF CLAIMS: | 24 | | |
| EXEMPLARY CLAIM: | 12 | | |
| NUMBER OF DRAWINGS: | 5 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 712 | | |

=> d 20 ibib

L36 ANSWER 20 OF 41 USPATFULL on STN
ACCESSION NUMBER: 1999:46450 USPATFULL
TITLE: Radiation therapy and radiation surgery treatment
system and methods of use of same
INVENTOR(S): Shepherd, Joseph S., 2004 Le Droit Dr., South Pasadena,
CA, United States 91030
Rand, Robert W., 521 N. Bristol Ave., Los Angeles, CA,
United States 90049

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5894503 | | 19990413 |
| APPLICATION INFO.: | US 1995-573695 | | 19951218 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1994-240374, filed on 10 May 1994, now patented, Pat. No. US 5537452 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Porta, David P. | | |
| LEGAL REPRESENTATIVE: | Lyon & Lyon LLP | | |
| NUMBER OF CLAIMS: | 9 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 7 Drawing Page(s) | | |
| LINE COUNT: | 616 | | |

=> d 21 ibib

L36 ANSWER 21 OF 41 USPATFULL on STN
ACCESSION NUMBER: 1998:131799 USPATFULL
TITLE: System and method for testing imaging performance of
ultrasound scanners and other medical imagers
INVENTOR(S): Madsen, Ernest L., Madison, WI, United States
Kofler, Jr., James M., Rochester, MN, United States
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, Madison, WI,
United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|------------|------|----------|
| PATENT INFORMATION: | US 5827942 | | 19981027 |

APPLICATION INFO.: US 1997-951381 19971016 (8)
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Raevis, Robert
LEGAL REPRESENTATIVE: Foley & Lardner
NUMBER OF CLAIMS: 38
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 32 Drawing Figure(s); 20 Drawing Page(s)
LINE COUNT: 2305

=> d 21 kwic abs

L36 ANSWER 21 OF 41 USPATFULL on STN

SUMM The performance of other types of medical imagers, such as magnetic resonance imagers (**MRI**) and computed tomography (CT) equipment can also be evaluated using phantoms. Materials with various contrasts relative to the background have been produced and formed into phantoms for **MRI** imaging equipment including exact positioning of spheres with coplanar centers. See, E. L. Madsen, J. C. Blechinger and G. R. . . in contrast can be accomplished through variations (between sphere material and background material) in volume fraction of uniformly suspended powdered **graphite**, microscopic glass beads or microscopic droplets of emulsified oil in solid gelatin or agar. E. L. Madsen, J. A. Zagzebski, . . .

DETD Phantoms with a regular array of spheres with coplanar centers can similarly be made for **MRI** or CT imagers in the same fashion used to produce the ultrasound phantom. Materials with various contrasts relative to the background have been produced and formed into phantoms for **MRI** including exact positioning of spheres with coplanar centers. See, E. L. Madsen, et al., "Low-contrast focal lesion detectability phantom for .sup.1 H MR imaging," supra; and U.S. Pat. No. 5,312,755, which describes suitable materials for **MRI** phantoms. For CT imagers, variations in contrast can be accomplished through variations (between sphere material and background material) in volume fraction of uniformly suspended powdered **graphite**, microscopic glass beads or microscopic droplets of emulsified oil in solid gelatin or agar, as described in E. L. Madsen, . . .

AB Automated testing of the resolution capability of medical imagers, such as ultrasound scanners, magnetic resonance imagers and computed tomography equipment, is carried out using phantoms having coplanar arrays of target objects, such as spheres, the locations of which are precisely known. Images of the phantom at positions containing background material and the target spheres are taken, digitized and processed to determine in the digitized images the locations of the target spheres by making use of the known location and spacing of the spheres. Lesion signal-to-noise ratios are then calculated at the now located positions of the target spheres in the image, and this information may be utilized to determine thresholds for detectability that allow evaluation of the performance of the imager being utilized.

=> d 22 ibib

L36 ANSWER 22 OF 41 USPATFULL on STN

ACCESSION NUMBER: 1998:120043 USPATFULL
TITLE: Radiation therapy and radiation surgery treatment system and methods of use of same
INVENTOR(S): Shepherd, Joseph S., 2004 Le Droit Dr., South Pasadena, CA, United States 91030
Rand, Robert W., 521 N. Bristol Ave., Los Angeles, CA, United States 90049

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5815547 | | 19980929 |
| APPLICATION INFO.: | US 5741556 | | 19951218 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. 240374, filed on 10 May 1994, now patented, Pat. No. 5537452 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Porta, David P. | | |
| LEGAL REPRESENTATIVE: | Lyon & Lyon, LLP | | |
| NUMBER OF CLAIMS: | 12 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 7 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 652 | | |

=> d 23 ibib

L36 ANSWER 23 OF 41 USPATFULL on STN
 ACCESSION NUMBER: 1998:97664 USPATFULL
 TITLE: System and method for medical imaging utilizing a robotic device, and robotic device for use in medical imaging
 INVENTOR(S): Hogan, Neville, Sudbury, MA, United States
 Krebs, Hermano Igo, Somerville, MA, United States
 PATENT ASSIGNEE(S): Massachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5794621 | | 19980818 |
| APPLICATION INFO.: | US 1995-553021 | | 19951103 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lateef, Marvin M. | | |
| ASSISTANT EXAMINER: | Mercader, Eleni Mantis | | |
| LEGAL REPRESENTATIVE: | Oblon, Spivak, McClelland, Maier & Neustadt, P.C. | | |
| NUMBER OF CLAIMS: | 49 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 21 Drawing Figure(s); 13 Drawing Page(s) | | |
| LINE COUNT: | 1299 | | |

=> d 24 ibib

L36 ANSWER 24 OF 41 USPATFULL on STN
 ACCESSION NUMBER: 1998:85166 USPATFULL
 TITLE: Fiber composite invasive medical instruments and methods for use in interventional imaging procedures
 INVENTOR(S): Werne, Roger W., San Ramon, CA, United States
 PATENT ASSIGNEE(S): ITI Medical Technologies, Inc., Livermore, CA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5782764 | | 19980721 |
| APPLICATION INFO.: | US 1996-754506 | | 19961119 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1995-554446, filed on 7 Nov 1995 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Smith, Ruth S. | | |
| LEGAL REPRESENTATIVE: | Limbach & Limbach L.L.P. | | |
| NUMBER OF CLAIMS: | 22 | | |

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 952

=> d 23 abs kwic

L36 ANSWER 23 OF 41 USPATFULL on STN

AB A robotic device for use in conjunction with an imaging system and an imaging method is provided. The robotic device can provide mechanical measurements within the imaging system, and can also control the mechanical environment within the imaging system. An end effector of the robotic device engages a body segment of the patient. In addition, position and force sensors are associated with the robotic device such that the position and forces applied to the end effector can be sensed/measured and recorded, while images are obtained. In addition, the robotic device includes actuators to move the end effector to a desired position, and/or to provide a force to a body segment of a patient by way of the end effector. In a particularly preferred form, structural, sensory, and actuator components of the robotic device are magneto-translucent, such that the robotic device can control and/or provide measured information regarding the mechanical environment within a magnetic resonance imaging system.

SUMM . . . system (and sensors associated therewith) with the imaging system, components of the robotic system which are disposed inside of the **MRI** are magneto-translucent. By way of example, the structural components of the robot can be formed of aluminum, copper, gold, silver, wood, or most organic materials which do not include iron (polytetrafluoroethylene, nylon, carbon **graphite**, ceramics, etc.). The sensor components can utilize a light source based sensor, with the light source disposed outside of the . . . into the system utilizing an optical fiber or optical cable. One or more magneto-translucent sensors are disposed inside of the **MRI** to provide position, velocity, and/or force information, with the resulting sensed information conveyed outside of the **MRI** utilizing another optical fiber or cable. The body or motor movement associated with robotic tasks can thus be correlated with. . .

DETD . . . which can be considered. First, if the robot is to operate continuously, the robot must be fully compatible with the **MRI** machine at all times. However, it is also possible to provide for intermittent movement of the robot, in which the robot is not fully compatible with the **MRI** machine, however the non-compatible component(s) operate only during down time of the **MRI** (when images are not being obtained or between images). Since images will preferably be obtained relatively frequently (on the order. . . affect the robot or impart forces to the robot, and the robot should not adversely affect images obtained by the **MRI**. The magnetic field of the **MRI** exerts a strong attractive force to any ferromagnetic components and can damage any ferromagnetic parts formed of, e.g., carbon steel. . . which are aluminum, water, copper, gold, silver, and most organic materials which do not include iron (e.g., polytetrafluoroethylene, nylon, carbon **graphite**, ceramics, etc.). In addition, since the **MRI** produces an audio frequency of 200 Hz to 1 KHz, and since a cryogenic pump is typically operating at 1. . .

=> d 24 abs kwic

L36 ANSWER 24 OF 41 USPATFULL on STN

AB A medical interventional instrument for use in a magnetic resonance imaging (**MRI**) or other imaging system, a method for designing such an instrument, and a method including the steps of positioning an

instrument having a body with a contrast region (constructed in accordance with the invention) and a target in the imaging region of an imaging system and operating the imaging system to produce an image showing both the target and the contrast agent. The instrument has a carbon-fiber or glass-fiber composite (or zirconia) body which preferably carries a contrast agent which is appropriate to the particular imaging modality to be used with the instrument. The concentration and volume of the contrast agent are determined (preferably experimentally) to cause the instrument to be positively shown in an image produced by the imaging system, without obscuring or distorting unacceptably the image of the target (e.g., a typical target, such as human tissue) with which the contrast agent is to be imaged. In some preferred embodiments, the contrast agent is a paramagnetic metal ion. In other preferred embodiments, the contrast agent is an iodinated hydrocarbon. In further preferred embodiments, the contrast agent is a preparation containing microbubbles of air or other gas, or the contrast region includes an air-filled void.

DETD The expressions "carbon-fiber material" and "carbon-fiber composite material" are used interchangeably herein to denote a carbon-fiber (or graphite-fiber) reinforced composite material. An example of such a material is a fabric (or array of filaments) of carbon-fiber and a . . . conductivity and is highly anisotropic (which properties minimize problems with eddy currents when the carbon-fiber material is used in a MRI system). Where the carbon-fiber material is to be used in a MRI system, it should be non-ferromagnetic (so that it will not be subjected to undesirably strong magnetic forces while undergoing MR. . . .

=> d 25 ibib

L36 ANSWER 25 OF 41 USPATFULL on STN
ACCESSION NUMBER: 1998:49592 USPATFULL
TITLE: Radiation therapy and radiation surgery treatment system and methods of use of same
INVENTOR(S): Shepherd, Joseph S., 2004 Le Droit Dr., South Pasadena, CA, United States 91030
Rand, Robert W., 521 N. Bristol Ave., Los Angeles, CA, United States 90049

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5748700 | | 19980505 |
| APPLICATION INFO.: | US 1995-574107 | | 19951218 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1994-240374, filed on 10 May 1994, now patented, Pat. No. US 5537452 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Porta, David P. | | |
| LEGAL REPRESENTATIVE: | Lyon & Lyon LLP | | |
| NUMBER OF CLAIMS: | 7 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 7 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 634 | | |

=> d 26 ibib

L36 ANSWER 26 OF 41 USPATFULL on STN
ACCESSION NUMBER: 97:106779 USPATFULL
TITLE: Use of fullerenes in diagnostic and/or therapeutic agents
INVENTOR(S): Watson, Alan D., Campbell, CA, United States

Klaveness, Jo, Oslo, Norway
Jamieson, Gene C., Boulder Creek, CA, United States
Fellmann, Jere D., Livermore, CA, United States
Vogt, Nils B., Oslo, Norway
PATENT ASSIGNEE(S) : Nycomed Salutar, Inc., Sunnyvale, CA, United States
(U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|----------|-----------------|
| PATENT INFORMATION: | US 5688486 | | 19971118 |
| | WO 9315768 | | 19930819 |
| APPLICATION INFO.: | US 1994-284606 | 19941031 | (8) |
| | WO 1993-GB279 | 19930211 | |
| | | 19941031 | PCT 371 date |
| | | 19941031 | PCT 102(e) date |

| | NUMBER | DATE |
|-----------------------|------------------------|----------|
| PRIORITY INFORMATION: | GB 1992-3037 | 19920211 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Seidleck, James J. | |
| ASSISTANT EXAMINER: | Williamson, Michael A. | |
| LEGAL REPRESENTATIVE: | Fish & Richardson P.C. | |
| NUMBER OF CLAIMS: | 35 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 1536 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 26 kwic

L36 ANSWER 26 OF 41 USPATFULL on STN

SUMM . . . macromolecular compounds having tight molecular meshes, for example non-diamond carbon allotropes and in particular carbon-based macromolecular structures such as fullerenes, **graphite** and amorphous carbons, as therapeutic or diagnostic agents, in particular as contrast enhancing agents for contrast media for diagnostic imaging procedures, especially magnetic resonance imaging (**MRI**), magnetometric imaging (**MSI**), electrical impedance tomography (**EIT**), X-ray, ultrasound and scintigraphy.

SUMM . . . 56, Geake, New Scientist, Nov. 16, 1991, page 19, Ebbesen (supra) and Baum C&EN, Dec. 16 1991, pages 17-20) and **graphite** may act as the hosts for intercalated species which lie between adjacent carbon webs. Such species can include diagnostic or therapeutic entities as it is well known that various metals and chelating agents can be intercalated into the **graphite** structure. The introduction of paramagnetic metals and polyamine chelants to produce materials capable of functioning as **MRI** contrast agents is especially attractive. In this regard the technique of template formation of chelates *in situ*, such as has. . .

DETD . . . are synthesized according to the method of Koch et al., J Org Chem 56:4543-4545 (1991) except that instead of using **graphite** having natural isotopic carbon abundance, **graphite** enriched in the carbon 13, carbon 14 or carbon 11 isotopes is employed as starting materials, thereby affording C._{sub}.60 molecules enriched in either isotope. The carbon 13-enriched C._{sub}.60 may be used as an *in vivo* magnetic resonance **imaging agent**, conveniently after appropriate derivatization, e.g. as described elsewhere herein. The carbon 11-enriched C._{sub}.60 could be used as a PET agent, . . .

DETD . . . manner similar to that previously described, In@C._{sub}.60 is prepared in which the indium is the 111 isotope by impregnating a **graphite** disk by exposure of it over a 24 hr period to a boiling aqueous solution of .sup.111 InCl_{sub}.3. After rinsing. . . .sup.111

In@C.sub.60 by a cluster of peaks centered at m/e 831. After separation, .sup.111 In@C.sub.60 may be used as a **contrast agent** for SPECT imaging.

=> d 27 ibib

L36 ANSWER 27 OF 41 USPATFULL on STN
ACCESSION NUMBER: 96:63835 USPATFULL
TITLE: Radiation therapy and radiation surgery treatment system and methods of use of same
INVENTOR(S): Shepherd, Joseph S., 2004 Le Droit Dr., South Pasadena, CA, United States 91030
Rand, Robert W., 521 N. Bristol Ave., Los Angeles, CA, United States 90049

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5537452 | | 19960716 |
| APPLICATION INFO.: | US 1994-240374 | | 19940510 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Porta, David P. | | |
| LEGAL REPRESENTATIVE: | Lyon & Lyon | | |
| NUMBER OF CLAIMS: | 3 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 7 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 598 | | |

=> d 28 ibib

L36 ANSWER 28 OF 41 USPATFULL on STN
ACCESSION NUMBER: 94:51744 USPATFULL
TITLE: Embedded NMR sensors for cure monitoring and control of composite structures
INVENTOR(S): Mohr, Gregory A., Scotia, NY, United States
Cueman, Michael K., Niskayuna, NY, United States
Conradi, Mark S., University City, MO, United States
PATENT ASSIGNEE(S): General Electric Company, Schenectady, NY, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5321358 | | 19940614 |
| APPLICATION INFO.: | US 1993-24136 | | 19930301 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Arana, Louis | | |
| LEGAL REPRESENTATIVE: | Webb, II, Paul R. | | |
| NUMBER OF CLAIMS: | 38 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 9 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 627 | | |

=> d 28 kwic

L36 ANSWER 28 OF 41 USPATFULL on STN
DETD . . . relaxed well below the standards typically required for conventional high resolution NMR, or its usual application to magnetic resonance imaging (**MRI**). The electrical leads 24 are routed through the curing oven walls, using well-known feed through means to an NMR spectrometer. . . *, T.sub.1, and T.sub.2. However, the

electrical conductivity of many composites (especially the technologically important class of composites reinforced with **graphite** fibers) severely limits the depth into the composite that can be probed using conventional external NMR sensors. Hence, by embedding. . .

=> d 29 ibib

L36 ANSWER 29 OF 41 USPATFULL on STN
ACCESSION NUMBER: 93:80573 USPATFULL
TITLE: Fullerene compositions for magnetic resonance spectroscopy and imaging
INVENTOR(S): Neumann, William L., Grover, MO, United States
Cacheris, William P., Florissant, MO, United States
PATENT ASSIGNEE(S): Mallinckrodt Medical, Inc., St. Louis, MO, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5248498 | | 19930928 |
| APPLICATION INFO.: | US 1991-746836 | | 19910819 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Robinson, Allen J. | | |
| ASSISTANT EXAMINER: | Hollinden, Gary E. | | |
| LEGAL REPRESENTATIVE: | Madson & Metcalf | | |
| NUMBER OF CLAIMS: | 17 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 2 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 440 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 29 kwic

L36 ANSWER 29 OF 41 USPATFULL on STN
SUMM The present invention provides methods and compositions for improved magnetic resonance imaging and spectroscopy, including fluorine-19 **MRI** agents. The **MRI** agents are derived from the class of even-numbered carbon clusters referred to in the art as fullerenes. Fullerenes range in. . . to C_{sub}.100, with even larger clusters theoretically predicted. These stable closed carbon shells are extracted from the soot of vaporized **graphite**. The highly stable C_{sub}.60 compound is marked by an icosahedral-cage structure, typified by a soccer ball. Some of the more. . .
SUMM . . . C_{sub}.60 structure have been prepared. Importantly, it is also possible to incorporate metal species into the carbon cage. By vaporizing **graphite** impregnated with paramagnetic metal species, it is possible to produce fullerene cages containing a paramagnetic metal species. The fullerene cages. . . a stable, nontoxic composition. The presence of a paramagnetic metal species may reduce ^{.sup.19} F and proton relaxivity, thereby enhancing **MRI**, MRS, or MRSI.
DETD The present invention provides novel **MRI** agents, including fluorine **MRI** agents. The **MRI** agents are derived from even-numbered carbon clusters in the range C_{sub}.30 -C_{sub}.100. These stable closed carbon shells have recently been isolated from vaporized **graphite**. The highly stable C_{sub}.60 compound is marked by an icosahedral-cage structure, a polygon with 60 equivalent vertices, 32 faces, 12. . .
DETD By vaporizing **graphite** impregnated with a suitable paramagnetic metal species, it is possible to produce fullerene cages containing a paramagnetic metal species. The. . . hydrogenated as

described above. The presence of a paramagnetic metal species may reduce
.sup.19 F and proton relaxivity, thereby enhancing MRI, MRS,
or MRSI.

DETD Paramagnetic metal species are incorporated into fullerene cages by
laser vaporization of graphite impregnated with the metal. To
prepare a carbon cluster containing gadolinium, graphite is
first impregnated with gadolinium and subsequently vaporized by laser
energy. The deposited soot is collected and gadolinium carbon clusters.
. . . extracted clusters may then be fluorinated or hydrogenated
according to the procedures of Examples 2 or 3, respectively, to prepare
MRI Agents within the scope of the present invention.

=> d 30 ibib

L36 ANSWER 30 OF 41 USPATFULL on STN
ACCESSION NUMBER: 93:30835 USPATFULL
TITLE: Adjustable halo system orthopedic appliance and method
INVENTOR(S): Friddle, Jr., Frank E., Honea Path, SC, United States
PATENT ASSIGNEE(S): Friddle Orthopedic Appliances, Inc., Honea Path, SC,
United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5203765 | | 19930420 |
| APPLICATION INFO.: | US 1991-708490 | | 19910531 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Apley, Richard J. | | |
| ASSISTANT EXAMINER: | Dvorak, Linda C. M. | | |
| LEGAL REPRESENTATIVE: | Dority & Manning | | |
| NUMBER OF CLAIMS: | 28 | | |
| EXEMPLARY CLAIM: | 8 | | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 5 Drawing Page(s) | | |
| LINE COUNT: | 854 | | |

=> d 31 ibib

L36 ANSWER 31 OF 41 USPATFULL on STN
ACCESSION NUMBER: 86:10471 USPATFULL
TITLE: Contact agents for ultrasonic imaging
INVENTOR(S): Feinstein, Steven B., 295 Hasting Ave., Highland Park,
IL, United States 60035

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 4572203 | | 19860225 |
| APPLICATION INFO.: | US 1983-461664 | | 19830127 (6) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Howell, Kyle L. | | |
| ASSISTANT EXAMINER: | Jaworski, Francis J. | | |
| LEGAL REPRESENTATIVE: | Blakely, Sokoloff, Taylor & Zafman | | |
| NUMBER OF CLAIMS: | 19 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 5 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 531 | | |

=> d 31 kwic

L36 ANSWER 31 OF 41 USPATFULL on STN
DETD Solid particulate matter which produces contrast-type enhanced images

include **graphite** particles, glass beads, and similar substances. The present invention has grossly examined many of the available solid particulate matter which theoretically may be used as a **contrast agent**, and has determined that one such agent, although not previously disclosed as a **contrast agent**, has a number of very desirable properties. Such agent and associated liquid carriers are broadly disclosed in U.S. Pat. No. . . .

=> d 32 ibib

L36 ANSWER 32 OF 41 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2000:350855 BIOSIS
DOCUMENT NUMBER: PREV200000350855
TITLE: The relationship of imaging techniques to the accuracy of frameless stereotaxy.
AUTHOR(S): Schulder, Michael [Reprint author]; Fontana, Peter;
Lavenhar, Marvin A.; Carmel, Peter W.
CORPORATE SOURCE: Division of Neurosurgery, 90 Bergen Street, Suite 7300,
Newark, NJ, 07103, USA
SOURCE: Stereotactic and Functional Neurosurgery, (April, 1999
(2000)) Vol. 72, No. 2-4, pp. 136-141. print.
ISSN: 1011-6125.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 16 Aug 2000
Last Updated on STN: 8 Jan 2002

=> d 33 ibib

L36 ANSWER 33 OF 41 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1994:12733 BIOSIS
DOCUMENT NUMBER: PREV199497025733
TITLE: The pullout strength of titanium alloy MRI-compatible and stainless steel MRI-incompatible Gardner-Wells tongs.
AUTHOR(S): Blumberg, Kalman D.; Catalano, John B. [Reprint author];
Cotler, Jerome M.; Balderston, Richard A.
CORPORATE SOURCE: Dep. Orthopaedic Surgery, 3 Cooper Plaza, Suite 411,
Camden, NJ 08103, USA
SOURCE: Spine, (1993) Vol. 18, No. 13, pp. 1895-1896.
CODEN: SPINDD. ISSN: 0362-2436.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Jan 1994
Last Updated on STN: 5 Mar 1994

=> d 33 kwic

L36 ANSWER 33 OF 41 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AB. . . steel Gardner-Wells tongs and pins previously employed to reduce cervical spine fractures are increasingly being replaced by magnetic resonance imaging (**MRI**)-compatible **graphite** tongs and titanium pins. Concern regarding the relative pullout strengths of these two systems, however, prompted the performance of a cadaver study in which tongs and pins were placed in 10 cadaver skulls and tested to failure. The **MRI**-compatible tongs failed due to plastic deformation of the titanium pin tips resulting in tong slippage and loss of fixation, whereas the stainless steel tongs and pins failed when the skull fractured. These results indicated that **MRI**-compatible systems must be used with extreme caution, particularly when traction exceeds 50 pounds.

=> d 34 ibib

L36 ANSWER 34 OF 41 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
ACCESSION NUMBER: 2000423833 EMBASE
TITLE: Plain film, CT and MRI sensibility in the evaluation of intraorbital foreign bodies in an in vitro model of the orbit and in pig eyes.
AUTHOR: Lagalla R.; Manfre L.; Caronia A.; Bencivinni F.; Duranti C.; Ponte F.
CORPORATE SOURCE: L. Manfre, via Villa Sperlinga 3, I-90144 Palermo, Italy
SOURCE: European Radiology, (2000) 10/8 (1338-1341).
Refs: 20
ISSN: 0938-7994 CODEN: EURAE3
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 012 Ophthalmology
014 Radiology
027 Biophysics, Bioengineering and Medical Instrumentation
LANGUAGE: English
SUMMARY LANGUAGE: English

=> d 35 ibib

L36 ANSWER 35 OF 41 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
ACCESSION NUMBER: 2000156504 EMBASE
TITLE: The relationship of imaging techniques to the accuracy of frameless stereotaxy.
AUTHOR: Schulder M.; Fontana P.; Lavenhar M.A.; Carmel P.W.
CORPORATE SOURCE: Dr. M. Schulder, Division of Neurosurgery, New Jersey Medical School, 90 Bergen Street, Newark, NJ 07103, United States. schulder@umdnj.edu
SOURCE: Stereotactic and Functional Neurosurgery, (1999) 72/2-4 (136-141).
Refs: 6
ISSN: 1011-6125 CODEN: SFUNE4
COUNTRY: Switzerland
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 008 Neurology and Neurosurgery
027 Biophysics, Bioengineering and Medical Instrumentation
LANGUAGE: English
SUMMARY LANGUAGE: English

=> d 36 ibib

L36 ANSWER 36 OF 41 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
ACCESSION NUMBER: 1998358887 EMBASE
TITLE: Spectroscopic and electrochemical evaluation of a perfluorosulfonated ionomer and its gel as preconcentration media for $[Re(I)(DMPE)_3]^+$, where DMPE = 1,2-bis(dimethylphosphino)ethane.
AUTHOR: Swaile B.H.; Blubaugh E.A.; Seliskar C.J.; Heineman W.R.
CORPORATE SOURCE: C.J. Seliskar, Department of Chemistry, University of Cincinnati, P.O. Box 210172, Cincinnati, OH 45221-0172, United States. carl.seliskar@uc.edu
SOURCE: Analytical Chemistry, (15 Oct 1998) 70/20 (4326-4332).
ISSN: 0003-2700 CODEN: ANCHAM

COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 023 Nuclear Medicine
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

=> d 37 ibib

L36 ANSWER 37 OF 41 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
ACCESSION NUMBER: 93312865 EMBASE
DOCUMENT NUMBER: 1993312865
TITLE: The pullout strength of titanium alloy MRI-compatible and
stainless steel MRI-incompatible Gardner-Wells tongs.
AUTHOR: Blumberg K.D.; Catalano J.B.; Cotler J.M.; Balderston R.A.
CORPORATE SOURCE: Department of Orthopaedic Surgery, 3 Cooper Plaza, Camden,
NJ 08103, United States
SOURCE: Spine, (1993) 18/13 (1895-1896).
ISSN: 0362-2436 CODEN: SPINDD
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 027 Biophysics, Bioengineering and Medical
Instrumentation
033 Orthopedic Surgery
LANGUAGE: English
SUMMARY LANGUAGE: English

=> d 38 ibib

L36 ANSWER 38 OF 41 MEDLINE on STN
ACCESSION NUMBER: 2001052033 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10939504
TITLE: Plain film, CT and MRI sensibility in the evaluation of
intraorbital foreign bodies in an in vitro model of the
orbit and in pig eyes.
AUTHOR: Lagalla R; Manfre L; Caronia A; Bencivinni F; Duranti C;
Ponte F
CORPORATE SOURCE: Institute of Radiology P. Cignolini, University of Palermo,
Italy.
SOURCE: European radiology, (2000) 10 (8) 1338-41.
Journal code: 9114774. ISSN: 0938-7994.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200012
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20001211

=> d 39 ibib

L36 ANSWER 39 OF 41 MEDLINE on STN
ACCESSION NUMBER: 2000312926 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10853065
TITLE: The relationship of imaging techniques to the accuracy of
frameless stereotaxy.
AUTHOR: Schulder M; Fontana P; Lavenhar M A; Carmel P W
CORPORATE SOURCE: Division of Neurosurgery and Biostatistics, New Jersey
Medical School, Newark, NJ, USA.. schulder@umdnj.edu

SOURCE: Stereotactic and functional neurosurgery, (1999) 72 (2-4)
136-41.
PUB. COUNTRY: Journal code: 8902881. ISSN: 1011-6125.
Switzerland
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200008
ENTRY DATE: Entered STN: 20000811
Last Updated on STN: 20000811
Entered Medline: 20000802

=> d 40 ibib

L36 ANSWER 40 OF 41 MEDLINE on STN
ACCESSION NUMBER: 1999012511 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9796419
TITLE: Spectroscopic and electrochemical evaluation of a
perfluorosulfonated ionomer and its gel as preconcentrating
media for $[ReI(DMPE)_3]^+$, where DMPE = 1,2-
bis(dimethylphosphino)ethane.
AUTHOR: Swaile B H; Blubaugh E A; Seliskar C J; Heineman W R
CORPORATE SOURCE: Department of Chemistry, University of Cincinnati, Ohio
45221-0172, USA.
CONTRACT NUMBER: CA42179 (NCI)
SOURCE: Analytical chemistry, (1998 Oct 15) 70 (20) 4326-32.
Journal code: 0370536. ISSN: 0003-2700.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199811
ENTRY DATE: Entered STN: 19990106
Last Updated on STN: 19990106
Entered Medline: 19981124

=> d 41 ibib

L36 ANSWER 41 OF 41 MEDLINE on STN
ACCESSION NUMBER: 94054026 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8235879
TITLE: The pullout strength of titanium alloy MRI-compatible and
stainless steel MRI-incompatible Gardner-Wells tongs.
AUTHOR: Blumberg K D; Catalano J B; Cotler J M; Balderston R A
CORPORATE SOURCE: Department of Orthopaedic Surgery, Cooper Medical Center,
Camden, New Jersey.
SOURCE: Spine, (1993 Oct 1) 18 (13) 1895-6.
Journal code: 7610646. ISSN: 0362-2436.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199312
ENTRY DATE: Entered STN: 19940117
Last Updated on STN: 19970203
Entered Medline: 19931216

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1619lxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAplus records now contain indexing from 1907 to the present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes
NEWS 23 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 24 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 25 MAR 03 FRANCEPAT now available on STN
NEWS 26 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 27 MAR 29 WPIFV now available on STN
NEWS 28 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 29 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 APR 2004 HIGHEST RN 672263-62-6
DICTIONARY FILE UPDATES: 6 APR 2004 HIGHEST RN 672263-62-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> e fullertag/cn
E1          1      FULLERITE-N-VINYLCARBAZOLE COPOLYMER/CN
E2          1      FULLEROHYRROLIDINE/CN
E3          0 --> FULLERTAG/CN
E4          1      FULLHOUSE/CN
E5          1      FULLINE PMB-F 301/CN
E6          1      FULLINE PMB-F 401BF/CN
E7          1      FULLON MASK/CN
E8          1      FULLPET/CN
E9          1      FULLSAFE/CN
E10         1      FULLVEIL 11028/CN
E11         1      FULLVEIL 53012/CN
E12         1      FULLVEIL 55012/CN
```

```
=> e fuller tag/cn
E1          1      FULLER PD 661/CN
E2          1      FULLER PDE 062/CN
E3          0 --> FULLER TAG/CN
E4          1      FULLER'S EARTH/CN
E5          1      FULLER'S EARTH, JAPANESE ACID CLAY/CN
E6          1      FULLER'S EARTH, REACTION PRODUCTS WITH GLYCEROL, LANOLIN, ME
                  SALICYLATE, POLYETHYLENE GLYCOL, SODIUM SILICATE, STEARIC A
                  CID AND TRIETHANOLAMINE/CN
E7          2      FULLERENE/CN
E8          1      FULLERENE (13C60)/CN
```

E9 1 FULLERENE (B2C58) /CN
 E10 1 FULLERENE (B2C68) /CN
 E11 1 FULLERENE (B3C57) /CN
 E12 1 FULLERENE (B3C67) /CN

=> e thrombotrace/cn

E1 1 THROMBOTEST/CN
 E2 1 THROMBOTONIN/CN
 E3 1 --> THROMBOTRACE/CN
 E4 1 THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, METHYL ESTER, (9A,11A,13E,15R) -/CN
 E5 1 THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, METHYL ESTER, (9A,11A,13E,15S) -/CN
 E6 1 THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, TRIMETHYLSILYL ESTER, (9A,11A,13E,15R) -/CN
 E7 1 THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, TRIMETHYLSILYL ESTER, (9A,11A,13E,15S) -/CN
 E8 1 THROMBOX-13-EN-1-OIC ACID, 5,6,9,11,15-PENTAHYDROXY-, (9.ALPHA.,13E,15S) -/CN
 E9 1 THROMBOX-13-EN-1-OIC ACID, 5,6-EPOXY-9,11,15-TRIHYDROXY-, (9A,13E,15S) -/CN
 E10 1 THROMBOX-13-EN-1-OIC ACID, 5,6:9,11-DIEPOXY-15-HYDROXY-, (9.ALPHA.,11A,13E,15S) -/CN
 E11 1 THROMBOX-13-EN-1-OIC ACID, 6,9-EPOXY-15-HYDROXY-5-IODO-11-METHOXY-, METHYL ESTER, (9A,13E,15S) -/CN
 E12 1 THROMBOX-13-EN-1-OIC ACID, 6,9-EPOXY-5,11,15-TRIHYDROXY-, (5R,6R,9A,13E,15S) -/CN

=> s e3
 L1 1 THROMBOTRACE/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 220323-85-3 REGISTRY
 CN ThromboTrace (9CI) (CA INDEX NAME)
 ENTE An aqueous colloid of nano-encapsulates with 2-10 layers of carbon enclosing a technetium crystal and PEG palmityl ether; "Fullertag" is without the surfactant
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: BIOSIS, CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus uspatfull biosis embase medline
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 7.04 7.25

FILE 'CAPLUS' ENTERED AT 06:23:04 ON 08 APR 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 06:23:04 ON 08 APR 2004
 CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 06:23:04 ON 08 APR 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 06:23:04 ON 08 APR 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'MEDLINE' ENTERED AT 06:23:04 ON 08 APR 2004

=> s 11
L2 2 L1

=> d

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:90549 CAPLUS
DN 130:164988
TI Marker contained in carbon nano-encapsulate for detection of fibrin clots and for labeling macromolecules
IN Burch, William Martin; Browitt, Rodney James; Nair, Chenicheri Hariharan; Shats, Elena Alexandra
PA The Australian National University, Australia
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9904826 | A1 | 19990204 | WO 1997-AU467 | 19970724 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9735321 | A1 | 19990216 | AU 1997-35321 | 19970724 |
| | WO 9904827 | A1 | 19990204 | WO 1998-AU582 | 19980723 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9884259 | A1 | 19990216 | AU 1998-84259 | 19980723 |
| | AU 744489 | B2 | 20020228 | | |
| | EP 1027080 | A1 | 20000816 | EP 1998-934690 | 19980723 |
| | R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE | | | | |
| | JP 2001510812 | T2 | 20010807 | JP 2000-503878 | 19980723 |
| PRAI | WO 1997-AU467 | A | 19970724 | | |
| | WO 1998-AU582 | W | 19980723 | | |

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2

L2 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1999:120056 BIOSIS
DN PREV199900120056
TI ThromboTraceX, a new diagnostic agent with high specificity to bind fibrin

in vivo.
AU Nair, H. [Reprint author]; Shats, E. [Reprint author]; Burch, W. [Reprint author]; Browitt, R. [Reprint author]; Senden, T.; Maxwell, L.
CS John Curtin Sch. Med. Res., Canberra, Australia
SO Blood Coagulation and Fibrinolysis, (Oct., 1998) Vol. 9, No. 7, pp. 716-717. print.
Meeting Info.: Meeting of the XVth International Fibrinogen Workshop.
Cleveland, Ohio, USA. August 13-15, 1998.
CODEN: BLFIE7. ISSN: 0957-5235.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 12 Mar 1999
Last Updated on STN: 5 May 1999

=> s thrombotrace or fullertag or thrombo trace or fuller tag
L3 2 THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG

=> s l3 not l2
L4 0 L3 NOT L2

=> e nair chenicheri/au
E1 10 NAIR CHEBUMKULAM SREEDHARAN BHASKARAN/AU
E2 1 NAIR CHEMICHERI HARIHARAN/AU
E3 0 --> NAIR CHENICHERI/AU
E4 5 NAIR CHENICHERI H/AU
E5 1 NAIR CHENICHERI HARIBARAN/AU
E6 27 NAIR CHENICHERI HARIHARAN/AU
E7 1 NAIR CHENICHERI SIDDHARTHAN/AU
E8 1 NAIR CHERUKANDATH N/AU
E9 2 NAIR CHERUKANTATH N/AU
E10 1 NAIR CHERUKANTATH NARAYANAN/AU
E11 4 NAIR CHERUPALLY K K/AU
E12 1 NAIR CHERUPALLY K KRISHNAN/AU

=> s e4 or e5 or e6 or e8 or e9 or e7
L5 37 "NAIR CHENICHERI H"/AU OR "NAIR CHENICHERI HARIBARAN"/AU OR
"NAIR CHENICHERI HARIHARAN"/AU OR "NAIR CHERUKANDATH N"/AU OR
"NAIR CHERUKANTATH N"/AU OR "NAIR CHENICHERI SIDDHARTHAN"/AU

=> dup rem 15
PROCESSING COMPLETED FOR L5
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)

=> s l6 and carbon
L7 1 L6 AND CARBON

=> d

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:90549 CAPLUS
DN 130:164988
TI Marker contained in **carbon** nano-encapsulate for detection of fibrin clots and for labeling macromolecules
IN Burch, William Martin; Browitt, Rodney James; **Nair, Chenicheri Hariharan**; Shats, Elena Alexandra
PA The Australian National University, Australia
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

| | | | | |
|------|---------------|--|----------------|----------|
| PI | WO 9904826 | A1 19990204 | WO 1997-AU467 | 19970724 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | RW: | GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | |
| AU | 9735321 | A1 19990216 | AU 1997-35321 | 19970724 |
| WO | 9904827 | A1 19990204 | WO 1998-AU582 | 19980723 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | RW: | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | |
| AU | 9884259 | A1 19990216 | AU 1998-84259 | 19980723 |
| AU | 744489 | B2 20020228 | | |
| EP | 1027080 | A1 20000816 | EP 1998-934690 | 19980723 |
| | R: | AT, BE, CH, DE, FR, GB, IT, LI, NL, SE | | |
| JP | 2001510812 | T2 20010807 | JP 2000-503878 | 19980723 |
| PRAI | WO 1997-AU467 | A 19970724 | | |
| | WO 1998-AU582 | W 19980723 | | |

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
=> e shats elena/au
E1      11      SHATS E A/AU
E2      6       SHATS E I/AU
E3      0 --> SHATS ELENA/AU
E4      1       SHATS ELENA ALEXANDRA/AU
E5      1       SHATS EVGENIJ I/AU
E6      1       SHATS H/AU
E7      3       SHATS HADAS/AU
E8      9       SHATS I/AU
E9      2       SHATS I K/AU
E10     14      SHATS IGOR/AU
E11     2       SHATS KA R M/AU
E12     3       SHATS KII I P/AU
```

```
=> s e1 or 32 or e4
L8      2981220 "SHATS E A"/AU OR 32 OR "SHATS ELENA ALEXANDRA"/AU
```

```
=> s 18 and carbon
L9      397509 L8 AND CARBON
```

```
=> s e1 or e4
L10     12 "SHATS E A"/AU OR "SHATS ELENA ALEXANDRA"/AU
```

```
=> dup rem 110
PROCESSING COMPLETED FOR L10
L11     7 DUP REM L10 (5 DUPLICATES REMOVED)
```

```
=> d
```

```
L11 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:90549 CAPLUS
DN 130:164988
TI Marker contained in carbon nano-encapsulate for detection of fibrin clots
```

and for labeling macromolecules

IN Burch, William Martin; Browitt, Rodney James; Nair, Chenicheri Hariharan;
Shats, Elena Alexandra

PA The Australian National University, Australia

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------|---|------|----------|-----------------|----------|
| PI | WO 9904826 | A1 | 19990204 | WO 1997-AU467 | 19970724 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9735321 | A1 | 19990216 | AU 1997-35321 | 19970724 |
| | WO 9904827 | A1 | 19990204 | WO 1998-AU582 | 19980723 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9884259 | A1 | 19990216 | AU 1998-84259 | 19980723 |
| | AU 744489 | B2 | 20020228 | | |
| | EP 1027080 | A1 | 20000816 | EP 1998-934690 | 19980723 |
| | R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE | | | | |
| | JP 2001510812 | T2 | 20010807 | JP 2000-503878 | 19980723 |
| PRAI | WO 1997-AU467 | A | 19970724 | | |
| | WO 1998-AU582 | W | 19980723 | | |
| RE.CNT 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

=> d 2

L11 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:159645 CAPLUS
DN 128:292394
TI Compaction as a method to characterize fibrin network structure: kinetic studies and relationship to crosslinking
AU Nair, C. H.; **Shats, E. A.**
CS Thrombosis Research Unit, The Canberra Hospital, Woden, ACT 2606, Australia
SO Thrombosis Research (1998), Volume Date 1997, 88(4), 381-387
CODEN: THBRAA; ISSN: 0049-3848
PB Elsevier Science Inc.
DT Journal
LA English
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3

L11 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 1

AN 1998:176598 BIOSIS
DN PREV199800176598
TI Compaction as a method to characterise fibrin network structure: Kinetic studies and relationship to crosslinking.
AU Nair, C. H. [Reprint author]; **Shats, E. A.**
CS Thrombosis Res. Unit, Canberra Hosp., PO Box 11, Woden, ACT 2606, Australia
SO Thrombosis Research, (Nov. 15, 1997) Vol. 88, No. 4, pp. 381-387. print.
CODEN: THBRAA. ISSN: 0049-3848.
DT Article
LA English
ED Entered STN: 20 Apr 1998
Last Updated on STN: 20 Apr 1998

=> d 4

L11 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
AN 1997:156535 CAPLUS
DN 126:262572
TI Interaction of endothelial cells and fibroblasts with modified fibrin networks: role in atherosclerosis
AU **Shats, E. A.**; Nair, C. H.; Dhall, D. P.
CS Vascular and Thrombosis Research Unit, Woden Valley Hospital, Canberra, ACT, 2606, Australia
SO Atherosclerosis (Shannon, Ireland) (1997), 129(1), 9-15
CODEN: ATHSBL; ISSN: 0021-9150
PB Elsevier
DT Journal
LA English

=> d 5

L11 ANSWER 5 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:100029 BIOSIS
DN PREV199799399232
TI Diabetes, lipids and fibrin matrices: Interaction with vascular cells.
AU **Shats, E. A.** [Reprint author]; Nair, C. H. [Reprint author]; Ali, S. [Reprint author]; Wilson, J. D.; Dhall, D. P. [Reprint author]
CS Vascular Thrombosis Research Unit, Canberra, ACT, Australia
SO Fibrinolysis, (1996) Vol. 10, No. SUPPL. 4, pp. 18.
Meeting Info.: XIVth International Fibrinogen Workshop. Canberra, Australia. August 21-23, 1996.
CODEN: FBRIE7. ISSN: 0268-9499.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 3 Mar 1997
Last Updated on STN: 3 Mar 1997

=> d 6 ibib abs kwic

L11 ANSWER 6 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1997:100030 BIOSIS
DOCUMENT NUMBER: PREV199799399233
TITLE: The vascular wall and fibrin: Endothelial cell, fibroblast, and smooth muscle cell growth and function.
AUTHOR(S): **Shats, E. A.**; Nair, C.h.; Dhall, D. P.
CORPORATE SOURCE: Vascular Thrombosis Reserach Unit, Woden Valley Hosp., Canberra, ACT, Australia
SOURCE: Fibrinolysis, (1996) Vol. 10, No. SUPPL. 4, pp. 18.
Meeting Info.: XIVth International Fibrinogen Workshop.

Canberra, Australia. August 21-23, 1996.
CODEN: FBRIE7. ISSN: 0268-9499.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 3 Mar 1997
Last Updated on STN: 3 Mar 1997
AU Shats, E. A.; Nair, C.h.; Dhall, D. P.

=> d 7 ibib abs kwic

L11 ANSWER 7 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1997:100013 BIOSIS
DOCUMENT NUMBER: PREV199799399216
TITLE: Characterizing fibrin network: The calcium conundrum.
AUTHOR(S): Nair, C. H.; Shats, E. A.; Ramasundara, S.;
Dhall, D. P.
CORPORATE SOURCE: Vascular Thrombosis Research Unit, Woden Valley Hosp., PO
Box 11, Woden, ACT 2606, Australia
SOURCE: Fibrinolysis, (1996) Vol. 10, No. SUPPL. 4, pp. 12.
Meeting Info.: XIVth International Fibrinogen Workshop.
Canberra, Australia. August 21-23, 1996.
CODEN: FBRIE7. ISSN: 0268-9499.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 3 Mar 1997
Last Updated on STN: 2 Apr 1997
AU Nair, C. H.; Shats, E. A.; Ramasundara, S.; Dhall, D. P.

=> e burch william/au

E1 13 BURCH WENDELL D/AU
E2 8 BURCH WHITMAN C/AU
E3 3 --> BURCH WILLIAM/AU
E4 1 BURCH WILLIAM A/AU
E5 7 BURCH WILLIAM D/AU
E6 2 BURCH WILLIAM E/AU
E7 3 BURCH WILLIAM F/AU
E8 1 BURCH WILLIAM J/AU
E9 1 BURCH WILLIAM JR/AU
E10 4 BURCH WILLIAM L/AU
E11 1 BURCH WILLIAM LINNEAUS/AU
E12 10 BURCH WILLIAM M/AU

=> s e12

L12 10 "BURCH WILLIAM M"/AU

=> d his

(FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004)

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004

E FULLERTAG/CN
E FULLER TAG/CN
E THROMBOTRACE/CN

L1 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 06:23:04 ON
08 APR 2004

L2 2 S L1
L3 2 S THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG
L4 0 S L3 NOT L2

E NAIR CHENICHERI/AU
L5 37 S E4 OR E5 OR E6 OR E8 OR E9 OR E7
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)
L7 1 S L6 AND CARBON
E SHATS ELENA/AU
L8 2981220 S E1 OR 32 OR E4
L9 397509 S L8 AND CARBON
L10 12 S E1 OR E4
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)
E BURCH WILLIAM/AU
L12 10 S E12

=> s l12 not l11
L13 10 L12 NOT L11

=> d

L13 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:52147 CAPLUS
DN 108:52147
TI Method of forming a pertechnetate aerosol composition for lung examination
by tomography
IN **Burch, William M.**
PA Capital Territory Health Commission, Australia
SO Can., 6 pp.
CODEN: CAXXA4
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI CA 1225025 A1 19870804 CA 1984-459362 19840720
PRAI CA 1984-459362 19840720

=> d 2

L13 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:34181 CAPLUS
DN 108:34181
TI Technegas - a new ventilation agent for lung scanning
AU **Burch, William M.**; Sullivan, Paul J.; McLaren, Christopher J.
CS John Curtin Sch. Med. Res., Australian Natl. Univ., Acton, 2601, Australia
SO Nuclear Medicine Communications (1986), 7(12), 865-71, 4 plates
CODEN: NMCODC; ISSN: 0143-3636
DT Journal
LA English

=> d 3

L13 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1969:8344 CAPLUS
DN 70:8344
TI Two level isothermal read-out for high precision thermoluminescence
dosimetry with lithium fluoride
AU **Burch, William M.**
CS Cancer Inst., Melbourne, Australia
SO Physics in Medicine & Biology (1968), 13(4), 627-34
CODEN: PHMBA7; ISSN: 0031-9155
DT Journal
LA English

=> d 4

L13 ANSWER 4 OF 10 USPATFULL on STN
AN 93:58223 USPATFULL
TI Device for producing a gas-lite radionuclide composition
IN **Burch, William M.**, Duffy, Australia
PA I. J. & L. A. Tetley Manufacturing Pty. Ltd., New South Wales, Australia
(non-U.S. corporation)
PI US 5228444 19930720
AI US 1991-661664 19910227 (7)
RLI Continuation of Ser. No. US 1989-462303, filed on 21 Dec 1989, now
abandoned which is a continuation of Ser. No. US 1988-251930, filed on
29 Sep 1988, now abandoned which is a continuation of Ser. No. US
1985-784847, filed on 4 Oct 1985, now abandoned
PRAI AU 1984-7486 19841004
DT Utility
FS Granted
LN.CNT 398
INCL INCLM: 128/654.000
INCLS: 128/659.000; 128/203.270
NCL NCLM: 600/431.000
NCLS: 128/203.270; 600/436.000
IC [5]
ICM: A61B006-00
EXF 128/654; 128/659; 128/203.17; 128/203.27; 600/3

=> d 5

L13 ANSWER 5 OF 10 USPATFULL on STN
AN 91:92333 USPATFULL
TI Method of forming a radioactive metallic vapor
IN **Burch, William M.**, Duffy, Australia
PA I. J. & L. A. Tetley Manuf. Pty. Ltd., Caringbah, Australia (non-U.S.
corporation)
PI US 5064634 19911112
AI US 1990-519851 19900504 (7)
RLI Continuation-in-part of Ser. No. US 1988-192221, filed on 9 May 1988,
now abandoned which is a division of Ser. No. US 1985-784847, filed on 4
Oct 1985, now abandoned
PRAI AU 1984-7486 19841010
DT Utility
FS Granted
LN.CNT 339
INCL INCLM: 424/001.100
INCLS: 128/659.000; 423/249.000
NCL NCLM: 424/001.130
NCLS: 423/249.000; 424/001.610; 534/014.000; 600/436.000
IC [5]
ICM: A61B006-00
ICS: A61K049-02
EXF 424/1.1; 534/14; 128/659; 128/671; 423/249
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 6

L13 ANSWER 6 OF 10 USPATFULL on STN
AN 81:40858 USPATFULL
TI Diagnostic compositions
IN **Burch, William M.**, Duffy, Australia
PA Capital Territory Health Commission, Canberra City, Australia (non-U.S.
corporation)
PI US 4280991 19810728

AI US 1978-928615 19780727 (5)
PRAI AU 1977-1020 19770729
DT Utility
FS Granted
LN.CNT 157
INCL INCLM: 424/001.000
INCLS: 128/659.000; 128/671.000; 252/305.000; 252/301.100R; 424/001.500;
424/009.000; 424/045.000; 423/249.000
NCL NCLM: 424/001.130
NCLS: 423/249.000; 424/001.610; 424/045.000; 516/002.000; 600/436.000;
600/484.000
IC [3]
ICM: A61K049-00
ICS: A61K043-00; G01T001-00
EXF 424/1; 424/9; 424/45; 252/305; 252/301.1R; 128/2A; 128/659; 128/671;
423/249
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 7

L13 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:407519 BIOSIS
DN PREV199799713722
TI The physical and chemical nature of technegas.
AU Senden, Tim J. [Reprint author]; Moock, Klaus H.; Gerald, John Fitz;
Burch, William M.; Browitt, Rodney J.; Ling, Christopher D.;
Heath, Graham A.
CS Dep. Applied Mathematics, Res. Sch. Physical Sciences Engineering,
Australian Natl. Univ., Canberra, ACT 0200, Australia
SO Journal of Nuclear Medicine, (1997) Vol. 38, No. 8, pp. 1327-1333.
CODEN: JNMEAQ. ISSN: 0161-5505.
DT Article
LA English
ED Entered STN: 24 Sep 1997
Last Updated on STN: 24 Sep 1997

=> d 8

L13 ANSWER 8 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:77957 BIOSIS
DN PREV199799384660
TI Physical properties and use of pertechnegas as a ventilation agent.
AU Mackey, Douglas W. J. [Reprint author]; Jackson, Phillip; Baker, Richmond
J.; Dasaklis, Con; Fisher, Keith J.; Magee, Michael; Bush, Vivienne;
Burch, William M.; Van Der Wall, Hans; Willett, Gary D.
CS Dep. Nuclear Med., Concord Repatriation Hosp., Concord Rd., Concord, NSW
2139, Australia
SO Journal of Nuclear Medicine, (1997) Vol. 38, No. 1, pp. 163-167.
CODEN: JNMEAQ. ISSN: 0161-5505.
DT Article
LA English
ED Entered STN: 26 Feb 1997
Last Updated on STN: 26 Feb 1997

=> d 9

L13 ANSWER 9 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:86719 BIOSIS
DN PREV199344040969
TI The penetration of technegas to the respiring airways.
AU **Burch, William M.**

CS Dep. Clin. Sci., John Curtin Sch. Med. Res., ANU, P.O. Box 334, Canberra,
ACT 2601, Australia
SO Australian and New Zealand Journal of Medicine, (1992) Vol. 22, No. 4, pp.
397.
Meeting Info.: 23rd Annual Scientific Meeting of the Australian and New
Zealand Society of Nuclear Medicine. Adelaide, South Australia, Australia.
May 3-6, 1992.
CODEN: ANZJB8. ISSN: 0004-8291.
DT Conference; (Meeting)
LA English
ED Entered STN: 1 Feb 1993
Last Updated on STN: 2 Feb 1993

=> d 10

L13 ANSWER 10 OF 10 MEDLINE on STN
AN 2002667180 MEDLINE
DN PubMed ID: 12427664
TI Passage of inhaled particles into the blood circulation in humans.
CM Comment on: Circulation. 2002 Jan 29;105(4):411-4. PubMed ID: 11815420
AU Burch William M
SO Circulation, (2002 Nov 12) 106 (20) e141-2; author reply e141-2.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Commentary
Letter
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200211
ED Entered STN: 20021113
Last Updated on STN: 20030111
Entered Medline: 20021125

=> e browitt rodney/au

E1 1 BROWITT R/AU
E2 4 BROWITT R J/AU
E3 2 --> BROWITT RODNEY/AU
E4 1 BROWITT RODNEY J/AU
E5 2 BROWITT RODNEY JAMES/AU
E6 1 BROWK P K/AU
E7 3 BROWKA A V/AU
E8 2 BROWKA N V/AU
E9 1 BROWKA T M/AU
E10 1 BROWKAERT TOM P E/AU
E11 5 BROWKINA A F/AU
E12 1 BROWKING P J/AU

=> s e1 or e2 or e3 or e4 or e5

L14 10 "BROWITT R"/AU OR "BROWITT R J"/AU OR "BROWITT RODNEY"/AU OR
"BROWITT RODNEY J"/AU OR "BROWITT RODNEY JAMES"/AU

=> d his

(FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004)

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004

E FULLERTAG/CN
E FULLER TAG/CN
E THROMBOTRACE/CN

L1 1 S E3.

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 06:23:04 ON

08 APR 2004

L2 2 S L1
L3 2 S THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG
L4 0 S L3 NOT L2
 E NAIR CHENICHERI/AU
L5 37 S E4 OR E5 OR E6 OR E8 OR E9 OR E7
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)
L7 1 S L6 AND CARBON
 E SHATS ELENA/AU
L8 2981220 S E1 OR 32 OR E4
L9 397509 S L8 AND CARBON
L10 12 S E1 OR E4
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)
 E BURCH WILLIAM/AU
L12 10 S E12
L13 10 S L12 NOT L11
 E BROWITT RODNEY/AU
L14 10 S E1 OR E2 OR E3 OR E4 OR E5

=> s l14 not (l13 or l11)
L15 8 L14 NOT (L13 OR L11)

=> d

L15 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:353326 CAPLUS
DN 136:374834
TI Radiolabeled ferrite particles for imaging
IN Browitt, Rodney James; Senden, Timothy John
PA The Australian National University, Australia
SO PCT Int. Appl., 14 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
|--------|----------------|--|----------|-----------------|----------|--|
| PI | WO 2002036174 | A1 | 20020510 | WO 2001-AU1365 | 20011024 | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU | 2002011991 | A5 | 20020515 | AU 2002-11991 | 20011024 | |
| EP | 1337277 | A1 | 20030827 | EP 2001-980054 | 20011024 | |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| PRAI | AU 2000-1131 | A | 20001030 | | | |
| | WO 2001-AU1365 | W | 20011024 | | | |
| RE.CNT | 1 | THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

=> d 2

L15 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:246079 CAPLUS
DN 124:264262
TI An electrostatic precipitator for trapping inhalable radioactive carbon particles in a liquid mist

IN **Browitt, Rodney**
 PA Allrad No. 28 Pty Ltd, Australia; Allrad No. 29 Pty Ltd; Allrad No. 19 Pty
 Ltd
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--------------|------|----------|---|----------|
| PI | EP 703005 | A1 | 19960327 | EP 1995-306656 | 19950920 |
| | EP 703005 | B1 | 19991222 | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE CA 2158715 AA 19960322 CA 1995-2158715 19950920 AU 9531778 A1 19960404 AU 1995-31778 19950920 AU 686861 B2 19980212 AT 187901 E 20000115 AT 1995-306656 19950920 ES 2143009 T3 20000501 ES 1995-306656 19950920 PT 703005 T 20000531 PT 1995-95306656 19950920 JP 08173841 A2 19960709 JP 1995-243467 19950921 GR 3033042 T3 20000831 GR 2000-400728 20000322 | |
| PRAI | AU 1994-8332 | A | 19940921 | | |
| | AU 1995-3332 | A | 19950602 | | |

=> d 3

L15 ANSWER 3 OF 8 USPATFULL on STN
 AN 1998:95024 USPATFULL
 TI Precipitator
 IN **Browitt, Rodney**, Kileen, Australia
 PA Allrad No. 28 Pty Ltd., Canberra, Australia (non-U.S. corporation)
 Allrad No. 29 Pty Ltd., Canberra, Australia (non-U.S. corporation)
 Allrad No. 19 Pty Ltd., Canberra, Australia (non-U.S. corporation)
 PI US 5792241 19980811
 AI US 1995-530983 19950920 (8)
 PRAI AU 1994-8332 19940921
 AU 1995-3332 19950602
 DT Utility
 FS Granted
 LN.CNT 277
 INCL INCLM: 096/052.000
 INCLS: 096/061.000; 096/074.000; 096/097.000; 261/081.000; 261/DIG.048
 NCL NCLM: 096/052.000
 NCLS: 096/061.000; 096/074.000; 096/097.000; 261/081.000; 261/DIG.048
 IC [6]
 ICM: B03C003-16
 EXF 096/27; 096/52; 096/53; 096/74; 096/61; 096/69; 096/44; 096/45; 096/97;
 095/64-66; 095/71; 095/72; 095/78; 095/59; 095/75; 261/81; 261/DIG.48

=> d 4

L15 ANSWER 4 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1999:120056 BIOSIS
 DN PREV199900120056
 TI ThromboTraceX, a new diagnostic agent with high specificity to bind fibrin
 in vivo.
 AU Nair, H. [Reprint author]; Shats, E. [Reprint author]; Burch, W. [Reprint
 author]; **Browitt, R.** [Reprint author]; Senden, T.; Maxwell, L.
 CS John Curtin Sch. Med. Res., Canberra, Australia
 SO Blood Coagulation and Fibrinolysis, (Oct., 1998) Vol. 9, No. 7, pp.
 716-717. print.
 Meeting Info.: Meeting of the XVth International Fibrinogen Workshop.

Cleveland, Ohio, USA. August 13-15, 1998.
CODEN: BLFIE7. ISSN: 0957-5235.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 12 Mar 1999
Last Updated on STN: 5 May 1999

=> d 5

L15 ANSWER 5 OF 8 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
AN 1998338072 EMBASE
TI Physical and chemical nature of technegas [2] (multiple letters).
AU Jackson P.; Mackey D.; Van der Wall H.; Senden T.J.; Moock K.H.; Fitz
Gerald J.D.; Burch W.M.; **Browitt R.J.**; Ling C.D.; Heath G.A.
CS P. Jackson, University of New South Wales, Sydney, NSW, Australia
SO Journal of Nuclear Medicine, (1998) 39/9 (1646-1647).
Refs: 9
ISSN: 0161-5505 CODEN: JNMEAQ
CY United States
DT Journal; Letter
FS 023 Nuclear Medicine
029 Clinical Biochemistry
LA English

=> d 6

L15 ANSWER 6 OF 8 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
AN 97238523 EMBASE
DN 1997238523
TI The physical and chemical nature of technegas.
AU Senden T.J.; Moock K.H.; Gerald J.F.; Burch W.M.; **Browitt R.J.**;
Ling C.D.; Heath G.A.
CS Dr. T.J. Senden, Dept. of Applied Mathematics, Res. Sch. of Physical
Sci./Engg., Australian National University, Canberra, ACT 0200, Australia
SO Journal of Nuclear Medicine, (1997) 38/8 (1327-1333).
Refs: 28
ISSN: 0161-5505 CODEN: JNMEAQ
CY United States
DT Journal; Article
FS 023 Nuclear Medicine
037 Drug Literature Index
LA English
SL English

=> d 7

L15 ANSWER 7 OF 8 MEDLINE on STN
AN 97399048 MEDLINE
DN PubMed ID: 9255177
TI The physical and chemical nature of technegas.
CM Comment in: J Nucl Med. 1998 Sep;39(9):1646-9. PubMed ID: 9744362
AU Senden T J; Moock K H; Gerald J F; Burch W M; **Browitt R J**; Ling
C D; Heath G A
CS Department of Physics, University College, University of New South Wales,
Canberra, Australia.
SO Journal of nuclear medicine : official publication, Society of Nuclear
Medicine, (1997 Aug) 38 (8) 1327-33.
Journal code: 0217410. ISSN: 0161-5505.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199709
ED Entered STN: 19970922
Last Updated on STN: 20000303
Entered Medline: 19970908

=> d 8

L15 ANSWER 8 OF 8 MEDLINE on STN
AN 97074783 MEDLINE
DN PubMed ID: 8917210
TI The transition from technegas to pertechnegas.
CM Comment on: J Nucl Med. 1995 Feb;36(2):267-9. PubMed ID: 7830129
AU Burch W M; Browitt R J
SO Journal of nuclear medicine : official publication, Society of Nuclear Medicine, (1996 Nov) 37 (11) 1917-8.
Journal code: 0217410. ISSN: 0161-5505.
CY United States
DT Commentary
Letter
LA English
FS Priority Journals
EM 199612
ED Entered STN: 19970128
Last Updated on STN: 19980206
Entered Medline: 19961220

=> e senden timothy/au

E1 1 SENDEN THIJS M G/AU
E2 18 SENDEN TIM J/AU
E3 0 --> SENDEN TIMOTHY/AU
E4 1 SENDEN TIMOTHY J/AU
E5 3 SENDEN TIMOTHY JOHN/AU
E6 2 SENDEN W A A/AU
E7 2 SENDEN WILHELMUS A A/AU
E8 1 SENDEN WILHELMUS ANTONIUS ANNA/AU
E9 1 SENDENHO N/AU
E10 1 SENDENKO D M/AU
E11 1 SENDENSKI M/AU
E12 62 SENDER A/AU

=> s e2 or e4 or e5

L16 22 "SENDEN TIM J"/AU OR "SENDEN TIMOTHY J"/AU OR "SENDEN TIMOTHY JOHN"/AU

=> d his

(FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004)

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004

E FULLERTAG/CN
E FULLER TAG/CN
E THROMBOTRACE/CN

L1 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 06:23:04 ON 08 APR 2004

L2 2 S L1
L3 2 S THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG

L4 0 S L3 NOT L2
E NAIR CHENICHERI/AU
L5 37 S E4 OR E5 OR E6 OR E8 OR E9 OR E7
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)
L7 1 S L6 AND CARBON
E SHATS ELENA/AU
L8 2981220 S E1 OR 32 OR E4
L9 397509 S L8 AND CARBON
L10 12 S E1 OR E4
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)
E BURCH WILLIAM/AU
L12 10 S E12
L13 10 S L12 NOT L11
E BROWITT RODNEY/AU
L14 10 S E1 OR E2 OR E3 OR E4 OR E5
L15 8 S L14 NOT (L13 OR L11)
E SENDEN TIMOTHY/AU
L16 22 S E2 OR E4 OR E5

=> s l16 not (l15 or l12 or l11)
L17 20 L16 NOT (L15 OR L12 OR L11)

=> d ibib

L17 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:793204 CAPLUS
TITLE: 3D imaging of the spreading and penetration of aqueous liquids into unsized and sized papers
AUTHOR(S): Roberts, Raymond J.; Senden, Tim J.; Knackstedt, Mark A.
CORPORATE SOURCE: Department of Applied Mathematics, Research School of Physical Sciences and Engineering, Australian National University, Canberra, ACT, 0200, Australia
SOURCE: Preprints - International Paper and Coating Chemistry Symposium, 5th, Montreal, QC, Canada, June 16-19, 2003 (2003), 303-311. Pulp and Paper Technical Association of Canada: Montreal, Que.
DOCUMENT TYPE: Conference
LANGUAGE: English
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l17 and carbon
L18 0 L17 AND CARBON

=> d 2
L18 HAS NO ANSWERS
'2' IS NOT A VALID SEARCH STATUS KEYWORD
Search status keywords:
NONE ---- Display only the number of postings.
STATUS -- Display statistics of the search.
ENTER SEARCH STATUS OPTION (NONE), STATUS, OR ?:end

=> d l17 2

L17 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:495771 CAPLUS
DN 137:213052
TI Micromanipulation of phospholipid bilayers by atomic force microscopy
AU Maeda, Nobuo; Senden, Tim J.; di Meglio, Jean-Marc
CS Research School of Physical Sciences and Engineering, Department of Applied Mathematics, The Australian National University, Canberra, 0200,

Australia
SO Biochimica et Biophysica Acta (2002), 1564(1), 165-172
CODEN: BBACAO; ISSN: 0006-3002
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 117 3

L17 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:411423 CAPLUS
DN 135:37466
TI Force microscopy and surface interactions
AU **Senden, Tim J.**
CS Department of Applied Mathematics, Research School of Physical Sciences
and Engineering, The Australian National University, Canberra, 0200,
Australia
SO Current Opinion in Colloid & Interface Science (2001), 6(2), 95-101
CODEN: COCSFL; ISSN: 1359-0294
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 117 4

L17 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:231167 CAPLUS
DN 134:282619
TI Droplet penetration into porous networks: role of pore morphology
AU **Senden, Tim J.**; Knackstedt, Mark A.; Lyne, M. Bruce
CS Australian National University, Canberra, 0200, Australia
SO Nordic Pulp & Paper Research Journal (2000), 15(5), 554-563
CODEN: NPPJEG; ISSN: 0283-2631
PB Nordic Pulp & Paper Research Journal
DT Journal
LA English
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 117 5

L17 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:145455 CAPLUS
DN 134:340053
TI Contact angles of aqueous solutions on copper surfaces bearing
self-assembled monolayers
AU Craig, Vincent S. J.; Jones, Anthony C.; **Senden, Tim J.**
CS Dep. Appl. Math., Res. Phys. Sci., Aust. Natl. Univ., Canberra, 0200,
Australia
SO Journal of Chemical Education (2001), 78(3), 345-346
CODEN: JCEDA8; ISSN: 0021-9584
PB Division of Chemical Education of the American Chemical Society
DT Journal
LA English
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal619lxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAplus records now contain indexing from 1907 to the present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes
NEWS 23 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 24 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 25 MAR 03 FRANCEPAT now available on STN
NEWS 26 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 27 MAR 29 WPIFV now available on STN
NEWS 28 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 29 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 APR 2004 HIGHEST RN 672263-62-6
DICTIONARY FILE UPDATES: 6 APR 2004 HIGHEST RN 672263-62-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e fullertag/cn

| | | |
|-----|---------|---|
| E1 | 1 | FULLERITE-N-VINYLCARBAZOLE COPOLYMER/CN |
| E2 | 1 | FULLEROPYRROLIDINE/CN |
| E3 | 0 - - > | FULLERTAG/CN |
| E4 | 1 | FULLHOUSE/CN |
| E5 | 1 | FULLINE PMB-F 301/CN |
| E6 | 1 | FULLINE PMB-F 401BF/CN |
| E7 | 1 | FULLON MASK/CN |
| E8 | 1 | FULLPET/CN |
| E9 | 1 | FULLSAFE/CN |
| E10 | 1 | FULLVEIL 11028/CN |
| E11 | 1 | FULLVEIL 53012/CN |
| E12 | 1 | FULLVEIL 55012/CN |

=> e fuller tag/cn

| | | |
|----|---|---|
| E1 | 1 | FULLER PD 661/CN |
| E2 | 1 | FULLER PDE 062/CN |
| E3 | 0 | --> FULLER TAG/CN |
| E4 | 1 | FULLER'S EARTH/CN |
| E5 | 1 | FULLER'S EARTH, JAPANESE ACID CLAY/CN |
| E6 | 1 | FULLER'S EARTH, REACTION PRODUCTS WITH GLYCEROL, LANOLIN, ME SALICYLATE, POLYETHYLENE GLYCOL, SODIUM SILICATE, STEARIC A CID AND TRIETHANOLAMINE/CN |
| E7 | 2 | FULLERENE/CN |
| E8 | 1 | FULLERENE (13C60) /CN |

```

E9      1      FULLERENE (B2C58)/CN
E10     1      FULLERENE (B2C68)/CN
E11     1      FULLERENE (B3C57)/CN
E12     1      FULLERENE (B3C67)/CN

=> e thrombotrace/cn
E1      1      THROMBOTEST/CN
E2      1      THROMBOTONIN/CN
E3      1      --> THROMBOTRACE/CN
E4      1      THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, METHYL ESTER, (9A,11A,13E,15R)-/CN
E5      1      THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, METHYL ESTER, (9A,11A,13E,15S)-/CN
E6      1      THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, TRIMETHYLSILYL ESTER, (9A,11A,13E,15R)-/CN
E7      1      THROMBOX-13-EN-1-OIC ACID, 11-METHOXY-9,15-BIS((TRIMETHYLSILYL)OXY)-, TRIMETHYLSILYL ESTER, (9A,11A,13E,15S)-/CN
E8      1      THROMBOX-13-EN-1-OIC ACID, 5,6,9,11,15-PENTAHYDROXY-, (9.ALPHA.,13E,15S)-/CN
E9      1      THROMBOX-13-EN-1-OIC ACID, 5,6-EPOXY-9,11,15-TRIHYDROXY-, (9A,13E,15S)-/CN
E10     1      THROMBOX-13-EN-1-OIC ACID, 5,6:9,11-DIEPOXY-15-HYDROXY-, (9.ALPHA.,11A,13E,15S)-/CN
E11     1      THROMBOX-13-EN-1-OIC ACID, 6,9-EPOXY-15-HYDROXY-5-IODO-11-METHOXY-, METHYL ESTER, (9A,13E,15S)-/CN
E12     1      THROMBOX-13-EN-1-OIC ACID, 6,9-EPOXY-5,11,15-TRIHYDROXY-, (5R,6R,9A,13E,15S)-/CN

=> s e3
L1      1      THROMBOTRACE/CN

=> d

```

```

L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN      220323-85-3  REGISTRY
CN      ThromboTrace (9CI) (CA INDEX NAME)
ENTE   An aqueous colloid of nano-encapsulates with 2-10 layers of carbon
       enclosing a technetium crystal and PEG palmityl ether; "Fullertag" is
       without the surfactant
MF      Unspecified
CI      MAN
SR      CA
LC      STN Files: BIOSIS, CA, CAPLUS

```

```

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```

```

=> fil caplus uspatfull biosis embase medline
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          7.04            7.25

```

```

FILE 'CAPLUS' ENTERED AT 06:23:04 ON 08 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

```

```

FILE 'USPATFULL' ENTERED AT 06:23:04 ON 08 APR 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

```

FILE 'BIOSIS' ENTERED AT 06:23:04 ON 08 APR 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 06:23:04 ON 08 APR 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'MEDLINE' ENTERED AT 06:23:04 ON 08 APR 2004

=> s 11
L2 2 L1

=> d

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:90549 CAPLUS
DN 130:164988
TI Marker contained in carbon nano-encapsulate for detection of fibrin clots
and for labeling macromolecules
IN Burch, William Martin; Browitt, Rodney James; Nair, Chenicheri Hariharan;
Shats, Elena Alexandra
PA The Australian National University, Australia
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|---|------|----------|--|----------|
| PI | WO 9904826 | A1 | 19990204 | WO 1997-AU467 | 19970724 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| AU | 9735321 | A1 | 19990216 | AU 1997-35321 | 19970724 |
| WO | 9904827 | A1 | 19990204 | WO 1998-AU582 | 19980723 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU | 9884259 | A1 | 19990216 | AU 1998-84259 | 19980723 |
| AU | 744489 | B2 | 20020228 | | |
| EP | 1027080 | A1 | 20000816 | EP 1998-934690 | 19980723 |
| | R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE | | | | |
| JP | 2001510812 | T2 | 20010807 | JP 2000-503878 | 19980723 |
| PRAI | WO 1997-AU467 | A | 19970724 | | |
| | WO 1998-AU582 | W | 19980723 | | |
| RE.CNT | 6 | | | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD | |
| | | | | ALL CITATIONS AVAILABLE IN THE RE FORMAT | |

=> d 2

L2 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1999:120056 BIOSIS
DN PREV199900120056
TI ThromboTraceX, a new diagnostic agent with high specificity to bind fibrin

in vivo.

AU Nair, H. [Reprint author]; Shats, E. [Reprint author]; Burch, W. [Reprint author]; Browitt, R. [Reprint author]; Senden, T.; Maxwell, L.

CS John Curtin Sch. Med. Res., Canberra, Australia

SO Blood Coagulation and Fibrinolysis, (Oct., 1998) Vol. 9, No. 7, pp. 716-717. print.

Meeting Info.: Meeting of the XVth International Fibrinogen Workshop. Cleveland, Ohio, USA. August 13-15, 1998.

CODEN: BLFIE7. ISSN: 0957-5235.

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 12 Mar 1999

Last Updated on STN: 5 May 1999

=> s thrombotrace or fullertag or thrombo trace or fuller tag

L3 2 THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG

=> s l3 not l2

L4 0 L3 NOT L2

=> e nair chenicheri/au

| | | |
|-----|----|--|
| E1 | 10 | NAIR CHEBUMKULAM SREEDHARAN BHASKARAN/AU |
| E2 | 1 | NAIR CHEMICHERI HARIHARAN/AU |
| E3 | 0 | --> NAIR CHENICHERI/AU |
| E4 | 5 | NAIR CHENICHERI H/AU |
| E5 | 1 | NAIR CHENICHERI HARIBARAN/AU |
| E6 | 27 | NAIR CHENICHERI HARIHARAN/AU |
| E7 | 1 | NAIR CHENICHERI SIDDHARTHAN/AU |
| E8 | 1 | NAIR CHERUKANDATH N/AU |
| E9 | 2 | NAIR CHERUKANTATH N/AU |
| E10 | 1 | NAIR CHERUKANTATH NARAYANAN/AU |
| E11 | 4 | NAIR CHERUPALLY K K/AU |
| E12 | 1 | NAIR CHERUPALLY K KRISHNAN/AU |

=> s e4 or e5 or e6 or e8 or e9 or e7

L5 37 "NAIR CHENICHERI H"/AU OR "NAIR CHENICHERI HARIBARAN"/AU OR "NAIR CHENICHERI HARIHARAN"/AU OR "NAIR CHERUKANDATH N"/AU OR "NAIR CHERUKANTATH N"/AU OR "NAIR CHERUPALLY K K/AU

=> dup rem 15

PROCESSING COMPLETED FOR L5

L6 31 DUP REM L5 (6 DUPLICATES REMOVED)

=> s l6 and carbon

L7 1 L6 AND CARBON

=> d

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:90549 CAPLUS

DN 130:164988

TI Marker contained in carbon nano-encapsulate for detection of fibrin clots and for labeling macromolecules

IN Burch, William Martin; Browitt, Rodney James; Nair, Chenicheri Hariharan; Shats, Elena Alexandra

PA The Australian National University, Australia

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9904826 A1 19990204 WO 1997-AU467 19970724
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,
 UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
 GN, ML, MR, NE, SN, TD, TG
 AU 9735321 A1 19990216 AU 1997-35321 19970724
 WO 9904827 A1 19990204 WO 1998-AU582 19980723
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 9884259 A1 19990216 AU 1998-84259 19980723
 AU 744489 B2 20020228
 EP 1027080 A1 20000816 EP 1998-934690 19980723
 R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE
 JP 2001510812 T2 20010807 JP 2000-503878 19980723
 PRAI WO 1997-AU467 A 19970724
 WO 1998-AU582 W 19980723

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

```

=> e shats elena/au
E1      11     SHATS E A/AU
E2      6      SHATS E I/AU
E3      0 --> SHATS ELENA/AU
E4      1      SHATS ELENA ALEXANDRA/AU
E5      1      SHATS EVGENIJ I/AU
E6      1      SHATS H/AU
E7      3      SHATS HADAS/AU
E8      9      SHATS I/AU
E9      2      SHATS I K/AU
E10     14     SHATS IGOR/AU
E11     2      SHATS KA R M/AU
E12     3      SHATS KII I P/AU

=> s e1 or 32 or e4
L8      2981220 "SHATS E A"/AU OR 32 OR "SHATS ELENA ALEXANDRA"/AU

=> s l8 and carbon
L9      397509 L8 AND CARBON

=> s e1 or e4
L10     12 "SHATS E A"/AU OR "SHATS ELENA ALEXANDRA"/AU

=> dup rem l10
PROCESSING COMPLETED FOR L10
L11     7 DUP REM L10 (5 DUPLICATES REMOVED)

=> d

L11 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:90549 CAPLUS
DN 130:164988
TI Marker contained in carbon nano-encapsulate for detection of fibrin clots

```

and for labeling macromolecules

IN Burch, William Martin; Browitt, Rodney James; Nair, Chenicheri Hariharan;
Shats, Elena Alexandra

PA The Australian National University, Australia

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------|--|--|----------|-----------------|----------|
| PI | WO 9904826 | A1 | 19990204 | WO 1997-AU467 | 19970724 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | |
| | AU 9735321 | A1 | 19990216 | AU 1997-35321 | 19970724 |
| | WO 9904827 | A1 | 19990204 | WO 1998-AU582 | 19980723 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| | AU 9884259 | A1 | 19990216 | AU 1998-84259 | 19980723 |
| | AU 744489 | B2 | 20020228 | | |
| | EP 1027080 | A1 | 20000816 | EP 1998-934690 | 19980723 |
| | R: | AT, BE, CH, DE, FR, GB, IT, LI, NL, SE | | | |
| | JP 2001510812 | T2 | 20010807 | JP 2000-503878 | 19980723 |
| PRAI | WO 1997-AU467 | A | 19970724 | | |
| | WO 1998-AU582 | W | 19980723 | | |
| RE.CNT 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

=> d 2

L11 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:159645 CAPLUS
DN 128:292394
TI Compaction as a method to characterize fibrin network structure: kinetic studies and relationship to crosslinking
AU Nair, C. H.; **Shats, E. A.**
CS Thrombosis Research Unit, The Canberra Hospital, Woden, ACT 2606, Australia
SO Thrombosis Research (1998), Volume Date 1997, 88(4), 381-387
CODEN: THBRAA; ISSN: 0049-3848
PB Elsevier Science Inc.
DT Journal
LA English
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3

L11 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 1

AN 1998:176598 BIOSIS
DN PREV199800176598
TI Compaction as a method to characterise fibrin network structure: Kinetic studies and relationship to crosslinking.
AU Nair, C. H. [Reprint author]; **Shats, E. A.**
CS Thrombosis Res. Unit, Canberra Hosp., PO Box 11, Woden, ACT 2606, Australia
SO Thrombosis Research, (Nov. 15, 1997) Vol. 88, No. 4, pp. 381-387. print.
CODEN: THBRAA. ISSN: 0049-3848.
DT Article
LA English
ED Entered STN: 20 Apr 1998
Last Updated on STN: 20 Apr 1998

=> d 4

L11 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
AN 1997:156535 CAPLUS
DN 126:262572
TI Interaction of endothelial cells and fibroblasts with modified fibrin networks: role in atherosclerosis
AU **Shats, E. A.**; Nair, C. H.; Dhall, D. P.
CS Vascular and Thrombosis Research Unit, Woden Valley Hospital, Canberra, ACT, 2606, Australia
SO Atherosclerosis (Shannon, Ireland) (1997), 129(1), 9-15
CODEN: ATHSBL; ISSN: 0021-9150
PB Elsevier
DT Journal
LA English

=> d 5

L11 ANSWER 5 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:100029 BIOSIS
DN PREV199799399232
TI Diabetes, lipids and fibrin matrices: Interaction with vascular cells.
AU **Shats, E. A.** [Reprint author]; Nair, C. H. [Reprint author]; Ali, S. [Reprint author]; Wilson, J. D.; Dhall, D. P. [Reprint author]
CS Vascular Thrombosis Research Unit, Canberra, ACT, Australia
SO Fibrinolysis, (1996) Vol. 10, No. SUPPL. 4, pp. 18.
Meeting Info.: XIVth International Fibrinogen Workshop. Canberra, Australia. August 21-23, 1996.
CODEN: FBRIE7. ISSN: 0268-9499.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 3 Mar 1997
Last Updated on STN: 3 Mar 1997

=> d 6 ibib abs kwic

L11 ANSWER 6 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1997:100030 BIOSIS
DOCUMENT NUMBER: PREV199799399233
TITLE: The vascular wall and fibrin: Endothelial cell, fibroblast, and smooth muscle cell growth and function.
AUTHOR(S): **Shats, E. A.**; Nair, C.h.; Dhall, D. P.
CORPORATE SOURCE: Vascular Thrombosis Reserach Unit, Woden Valley Hosp., Canberra, ACT, Australia
SOURCE: Fibrinolysis, (1996) Vol. 10, No. SUPPL. 4, pp. 18.
Meeting Info.: XIVth International Fibrinogen Workshop.

Canberra, Australia. August 21-23, 1996.
CODEN: FBRIE7. ISSN: 0268-9499.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 3 Mar 1997
Last Updated on STN: 3 Mar 1997
AU Shats, E. A.; Nair, C.H.; Dhall, D. P.

=> d 7 ibib abs kwic

L11 ANSWER 7 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1997:100013 BIOSIS
DOCUMENT NUMBER: PREV199799399216
TITLE: Characterizing fibrin network: The calcium conundrum.
AUTHOR(S): Nair, C. H.; Shats, E. A.; Ramasundara, S.;
Dhall, D. P.
CORPORATE SOURCE: Vascular Thrombosis Research Unit, Woden Valley Hosp., PO
Box 11, Woden, ACT 2606, Australia
SOURCE: Fibrinolysis, (1996) Vol. 10, No. SUPPL. 4, pp. 12.
Meeting Info.: XIVth International Fibrinogen Workshop.
Canberra, Australia. August 21-23, 1996.
CODEN: FBRIE7. ISSN: 0268-9499.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 3 Mar 1997
Last Updated on STN: 2 Apr 1997
AU Nair, C. H.; Shats, E. A.; Ramasundara, S.; Dhall, D. P.

=> e burch william/au

E1 13 BURCH WENDELL D/AU
E2 8 BURCH WHITMAN C/AU
E3 3 --> BURCH WILLIAM/AU
E4 1 BURCH WILLIAM A/AU
E5 7 BURCH WILLIAM D/AU
E6 2 BURCH WILLIAM E/AU
E7 3 BURCH WILLIAM F/AU
E8 1 BURCH WILLIAM J/AU
E9 1 BURCH WILLIAM JR/AU
E10 4 BURCH WILLIAM L/AU
E11 1 BURCH WILLIAM LINNEAUS/AU
E12 10 BURCH WILLIAM M/AU

=> s e12

L12 10 "BURCH WILLIAM M"/AU

=> d his

(FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004)

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004
E FULLERTAG/CN
E FULLER TAG/CN
E THROMBOTRACE/CN

L1 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 06:23:04 ON
08 APR 2004

L2 2 S L1
L3 2 S THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG
L4 0 S L3 NOT L2

E NAIR CHENICHERI/AU
L5 37 S E4 OR E5 OR E6 OR E8 OR E9 OR E7
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)
L7 1 S L6 AND CARBON
E SHATS ELENA/AU
L8 2981220 S E1 OR 32 OR E4
L9 397509 S L8 AND CARBON
L10 12 S E1 OR E4
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)
E BURCH WILLIAM/AU
L12 10 S E12

=> s l12 not l11
L13 10 L12 NOT L11

=> d

L13 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:52147 CAPLUS
DN 108:52147
TI Method of forming a pertechnetate aerosol composition for lung examination by tomography
IN **Burch, William M.**
PA Capital Territory Health Commission, Australia
SO Can., 6 pp.
CODEN: CAXXA4
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI CA 1225025 A1 19870804 CA 1984-459362 19840720
PRAI CA 1984-459362 19840720

=> d 2

L13 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:34181 CAPLUS
DN 108:34181
TI Technegas - a new ventilation agent for lung scanning
AU **Burch, William M.**; Sullivan, Paul J.; McLaren, Christopher J.
CS John Curtin Sch. Med. Res., Australian Natl. Univ., Acton, 2601, Australia
SO Nuclear Medicine Communications (1986), 7(12), 865-71, 4 plates
CODEN: NMCODC; ISSN: 0143-3636
DT Journal
LA English

=> d 3

L13 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1969:8344 CAPLUS
DN 70:8344
TI Two level isothermal read-out for high precision thermoluminescence dosimetry with lithium fluoride
AU **Burch, William M.**
CS Cancer Inst., Melbourne, Australia
SO Physics in Medicine & Biology (1968), 13(4), 627-34
CODEN: PHMBA7; ISSN: 0031-9155
DT Journal
LA English

=> d 4

L13 ANSWER 4 OF 10 USPATFULL on STN
AN 93:58223 USPATFULL
TI Device for producing a gas-lite radionuclide composition
IN **Burch, William M.**, Duffy, Australia
PA I. J. & L. A. Tetley Manufacturing Pty. Ltd., New South Wales, Australia
(non-U.S. corporation)
PI US 5228444 19930720
AI US 1991-661664 19910227 (7)
RLI Continuation of Ser. No. US 1989-462303, filed on 21 Dec 1989, now
abandoned which is a continuation of Ser. No. US 1988-251930, filed on
29 Sep 1988, now abandoned which is a continuation of Ser. No. US
1985-784847, filed on 4 Oct 1985, now abandoned
PRAI AU 1984-7486 19841004
DT Utility
FS Granted
LN.CNT 398
INCL INCLM: 128/654.000
INCLS: 128/659.000; 128/203.270
NCL NCLM: 600/431.000
NCLS: 128/203.270; 600/436.000
IC [5]
ICM: A61B006-00
EXF 128/654; 128/659; 128/203.17; 128/203.27; 600/3

=> d 5

L13 ANSWER 5 OF 10 USPATFULL on STN
AN 91:92333 USPATFULL
TI Method of forming a radioactive metallic vapor
IN **Burch, William M.**, Duffy, Australia
PA I. J. & L. A. Tetley Manuf. Pty. Ltd., Caringbah, Australia (non-U.S.
corporation)
PI US 5064634 19911112
AI US 1990-519851 19900504 (7)
RLI Continuation-in-part of Ser. No. US 1988-192221, filed on 9 May 1988,
now abandoned which is a division of Ser. No. US 1985-784847, filed on 4
Oct 1985, now abandoned
PRAI AU 1984-7486 19841010
DT Utility
FS Granted
LN.CNT 339
INCL INCLM: 424/001.100
INCLS: 128/659.000; 423/249.000
NCL NCLM: 424/001.130
NCLS: 423/249.000; 424/001.610; 534/014.000; 600/436.000
IC [5]
ICM: A61B006-00
ICS: A61K049-02
EXF 424/1.1; 534/14; 128/659; 128/671; 423/249
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 6

L13 ANSWER 6 OF 10 USPATFULL on STN
AN 81:40858 USPATFULL
TI Diagnostic compositions
IN **Burch, William M.**, Duffy, Australia
PA Capital Territory Health Commission, Canberra City, Australia (non-U.S.
corporation)
PI US 4280991 19810728

AI US 1978-928615 19780727 (5)
PRAI AU 1977-1020 19770729
DT Utility
FS Granted
LN.CNT 157
INCL INCLM: 424/001.000
INCLS: 128/659.000; 128/671.000; 252/305.000; 252/301.100R; 424/001.500;
424/009.000; 424/045.000; 423/249.000
NCL NCLM: 424/001.130
NCLS: 423/249.000; 424/001.610; 424/045.000; 516/002.000; 600/436.000;
600/484.000
IC [3]
ICM: A61K049-00
ICS: A61K043-00; G01T001-00
EXF 424/1; 424/9; 424/45; 252/305; 252/301.1R; 128/2A; 128/659; 128/671;
423/249
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 7

L13 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:407519 BIOSIS
DN PREV199799713722
TI The physical and chemical nature of technegas.
AU Senden, Tim J. [Reprint author]; Mook, Klaus H.; Gerald, John Fitz;
Burch, William M.; Browitt, Rodney J.; Ling, Christopher D.;
Heath, Graham A.
CS Dep. Applied Mathematics, Res. Sch. Physical Sciences Engineering,
Australian Natl. Univ., Canberra, ACT 0200, Australia
SO Journal of Nuclear Medicine, (1997) Vol. 38, No. 8, pp. 1327-1333.
CODEN: JNMEAQ. ISSN: 0161-5505.
DT Article
LA English
ED Entered STN: 24 Sep 1997
Last Updated on STN: 24 Sep 1997

=> d 8

L13 ANSWER 8 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:77957 BIOSIS
DN PREV199799384660
TI Physical properties and use of pertechnegas as a ventilation agent.
AU Mackey, Douglas W. J. [Reprint author]; Jackson, Phillip; Baker, Richmond
J.; Dasaklis, Con; Fisher, Keith J.; Magee, Michael; Bush, Vivienne;
Burch, William M.; Van Der Wall, Hans; Willett, Gary D.
CS Dep. Nuclear Med., Concord Repatriation Hosp., Concord Rd., Concord, NSW
2139, Australia
SO Journal of Nuclear Medicine, (1997) Vol. 38, No. 1, pp. 163-167.
CODEN: JNMEAQ. ISSN: 0161-5505.
DT Article
LA English
ED Entered STN: 26 Feb 1997
Last Updated on STN: 26 Feb 1997

=> d 9

L13 ANSWER 9 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:86719 BIOSIS
DN PREV199344040969
TI The penetration of technegas to the respiring airways.
AU Burch, William M.

CS Dep. Clin. Sci., John Curtin Sch. Med. Res., ANU, P.O. Box 334, Canberra,
ACT 2601, Australia
SO Australian and New Zealand Journal of Medicine, (1992) Vol. 22, No. 4, pp.
397.
Meeting Info.: 23rd Annual Scientific Meeting of the Australian and New
Zealand Society of Nuclear Medicine. Adelaide, South Australia, Australia.
May 3-6, 1992.
CODEN: ANZJB8. ISSN: 0004-8291.
DT Conference; (Meeting)
LA English
ED Entered STN: 1 Feb 1993
Last Updated on STN: 2 Feb 1993

=> d 10

L13 ANSWER 10 OF 10 MEDLINE on STN
AN 2002667180 MEDLINE
DN PubMed ID: 12427664
TI Passage of inhaled particles into the blood circulation in humans.
CM Comment on: Circulation. 2002 Jan 29;105(4):411-4. PubMed ID: 11815420
AU Burch William M
SO Circulation, (2002 Nov 12) 106 (20) e141-2; author reply e141-2.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Commentary
Letter
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200211
ED Entered STN: 20021113
Last Updated on STN: 20030111
Entered Medline: 20021125

=> e browitt rodney/au
E1 1 BROWITT R/AU
E2 4 BROWITT R J/AU
E3 2 --> BROWITT RODNEY/AU
E4 1 BROWITT RODNEY J/AU
E5 2 BROWITT RODNEY JAMES/AU
E6 1 BROWK P K/AU
E7 3 BROWKA A V/AU
E8 2 BROWKA N V/AU
E9 1 BROWKA T M/AU
E10 1 BROWKAERT TOM P E/AU
E11 5 BROWKINA A F/AU
E12 1 BROWKING P J/AU

=> s e1 or e2 or e3 or e4 or e5
L14 10 "BROWITT R"/AU OR "BROWITT R J"/AU OR "BROWITT RODNEY"/AU OR
"BROWITT RODNEY J"/AU OR "BROWITT RODNEY JAMES"/AU

=> d his

(FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004)

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004

E FULLERTAG/CN
E FULLER TAG/CN
E THROMBOTRACE/CN

L1 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 06:23:04 ON

08 APR 2004

L2 2 S L1
L3 2 S THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG
L4 0 S L3 NOT L2
 E NAIR CHENICHERI/AU
L5 37 S E4 OR E5 OR E6 OR E8 OR E9 OR E7
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)
L7 1 S L6 AND CARBON
 E SHATS ELENA/AU
L8 2981220 S E1 OR 32 OR E4
L9 397509 S L8 AND CARBON
L10 12 S E1 OR E4
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)
 E BURCH WILLIAM/AU
L12 10 S E12
L13 10 S L12 NOT L11
 E BROWITT RODNEY/AU
L14 10 S E1 OR E2 OR E3 OR E4 OR E5

=> s l14 not (l13 or l11)
L15 8 L14 NOT (L13 OR L11)

=> d

L15 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:353326 CAPLUS
DN 136:374834
TI Radiolabeled ferrite particles for imaging
IN Browitt, Rodney James; Senden, Timothy John
PA The Australian National University, Australia
SO PCT Int. Appl., 14 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
|------|----------------|--|----------|-----------------|----------|--|
| PI | WO 2002036174 | A1 | 20020510 | WO 2001-AU1365 | 20011024 | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU | 2002011991 | A5 | 20020515 | AU 2002-11991 | 20011024 | |
| EP | 1337277 | A1 | 20030827 | EP 2001-980054 | 20011024 | |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| PRAI | AU 2000-1131 | A | 20001030 | | | |
| | WO 2001-AU1365 | W | 20011024 | | | |

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2

L15 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:246079 CAPLUS
DN 124:264262
TI An electrostatic precipitator for trapping inhalable radioactive carbon particles in a liquid mist

IN **Browitt, Rodney**
 PA Allrad No. 28 Pty Ltd, Australia; Allrad No. 29 Pty Ltd; Allrad No. 19 Pty
 Ltd
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | EP 703005 | A1 | 19960327 | EP 1995-306656 | 19950920 |
| | EP 703005 | B1 | 19991222 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | | |
| | CA 2158715 | AA | 19960322 | CA 1995-2158715 | 19950920 |
| | AU 9531778 | A1 | 19960404 | AU 1995-31778 | 19950920 |
| | AU 686861 | B2 | 19980212 | | |
| | AT 187901 | E | 20000115 | AT 1995-306656 | 19950920 |
| | ES 2143009 | T3 | 20000501 | ES 1995-306656 | 19950920 |
| | PT 703005 | T | 20000531 | PT 1995-95306656 | 19950920 |
| | JP 08173841 | A2 | 19960709 | JP 1995-243467 | 19950921 |
| | GR 3033042 | T3 | 20000831 | GR 2000-400728 | 20000322 |
| PRAI | AU 1994-8332 | A | 19940921 | | |
| | AU 1995-3332 | A | 19950602 | | |

=> d 3

L15 ANSWER 3 OF 8 USPATFULL on STN
 AN 1998:95024 USPATFULL
 TI Precipitator
 IN **Browitt, Rodney**, Kileen, Australia
 PA Allrad No. 28 Pty Ltd., Canberra, Australia (non-U.S. corporation)
 Allrad No. 29 Pty Ltd., Canberra, Australia (non-U.S. corporation)
 Allrad No. 19 Pty Ltd., Canberra, Australia (non-U.S. corporation)
 PI US 5792241 19980811
 AI US 1995-530983 19950920 (8)
 PRAI AU 1994-8332 19940921
 AU 1995-3332 19950602
 DT Utility
 FS Granted
 LN.CNT 277
 INCL INCLM: 096/052.000
 INCLS: 096/061.000; 096/074.000; 096/097.000; 261/081.000; 261/DIG.048
 NCL NCLM: 096/052.000
 NCLS: 096/061.000; 096/074.000; 096/097.000; 261/081.000; 261/DIG.048
 IC [6]
 ICM: B03C003-16
 EXF 096/27; 096/52; 096/53; 096/74; 096/61; 096/69; 096/44; 096/45; 096/97;
 095/64-66; 095/71; 095/72; 095/78; 095/59; 095/75; 261/81; 261/DIG.48

=> d 4

L15 ANSWER 4 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1999:120056 BIOSIS
 DN PREV199900120056
 TI ThromboTraceX, a new diagnostic agent with high specificity to bind fibrin
 in vivo.
 AU Nair, H. [Reprint author]; Shats, E. [Reprint author]; Burch, W. [Reprint
 author]; **Browitt, R.** [Reprint author]; Senden, T.; Maxwell, L.
 CS John Curtin Sch. Med. Res., Canberra, Australia
 SO Blood Coagulation and Fibrinolysis, (Oct., 1998) Vol. 9, No. 7, pp.
 716-717. print.
 Meeting Info.: Meeting of the XVth International Fibrinogen Workshop.

Cleveland, Ohio, USA. August 13-15, 1998.
CODEN: BLFIE7. ISSN: 0957-5235.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 12 Mar 1999
Last Updated on STN: 5 May 1999

=> d 5

L15 ANSWER 5 OF 8 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
AN 1998338072 EMBASE
TI Physical and chemical nature of technegas [2] (multiple letters).
AU Jackson P.; Mackey D.; Van der Wall H.; Senden T.J.; Moock K.H.; Fitz
Gerald J.D.; Burch W.M.; **Browitt R.J.**; Ling C.D.; Heath G.A.
CS P. Jackson, University of New South Wales, Sydney, NSW, Australia
SO Journal of Nuclear Medicine, (1998) 39/9 (1646-1647).
Refs: 9
ISSN: 0161-5505 CODEN: JNMEAQ
CY United States
DT Journal; Letter
FS 023 Nuclear Medicine
029 Clinical Biochemistry
LA English

=> d 6

L15 ANSWER 6 OF 8 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
AN 97238523 EMBASE
DN 1997238523
TI The physical and chemical nature of technegas.
AU Senden T.J.; Moock K.H.; Gerald J.F.; Burch W.M.; **Browitt R.J.**;
Ling C.D.; Heath G.A.
CS Dr. T.J. Senden, Dept. of Applied Mathematics, Res. Sch. of Physical
Sci./Engg., Australian National University, Canberra, ACT 0200, Australia
SO Journal of Nuclear Medicine, (1997) 38/8 (1327-1333).
Refs: 28
ISSN: 0161-5505 CODEN: JNMEAQ
CY United States
DT Journal; Article
FS 023 Nuclear Medicine
037 Drug Literature Index
LA English
SL English

=> d 7

L15 ANSWER 7 OF 8 MEDLINE on STN
AN 97399048 MEDLINE
DN PubMed ID: 9255177
TI The physical and chemical nature of technegas.
CM Comment in: J Nucl Med. 1998 Sep;39(9):1646-9. PubMed ID: 9744362
AU Senden T J; Moock K H; Gerald J F; Burch W M; **Browitt R J**; Ling
C D; Heath G A
CS Department of Physics, University College, University of New South Wales,
Canberra, Australia.
SO Journal of nuclear medicine : official publication, Society of Nuclear
Medicine, (1997 Aug) 38 (8) 1327-33.
Journal code: 0217410. ISSN: 0161-5505.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199709
ED Entered STN: 19970922
Last Updated on STN: 20000303
Entered Medline: 19970908

=> d 8

L15 ANSWER 8 OF 8 MEDLINE on STN
AN 97074783 MEDLINE
DN PubMed ID: 8917210
TI The transition from technegas to pertechnegas.
CM Comment on: J Nucl Med. 1995 Feb;36(2):267-9. PubMed ID: 7830129
AU Burch W M; Browitt R J
SO Journal of nuclear medicine : official publication, Society of Nuclear Medicine, (1996 Nov) 37 (11) 1917-8.
Journal code: 0217410. ISSN: 0161-5505.
CY United States
DT Commentary
Letter
LA English
FS Priority Journals
EM 199612
ED Entered STN: 19970128
Last Updated on STN: 19980206
Entered Medline: 19961220

=> e senden timothy/au

E1 1 SENDEN THIJS M G/AU
E2 18 SENDEN TIM J/AU
E3 0 --> SENDEN TIMOTHY/AU
E4 1 SENDEN TIMOTHY J/AU
E5 3 SENDEN TIMOTHY JOHN/AU
E6 2 SENDEN W A A/AU
E7 2 SENDEN WILHELMUS A A/AU
E8 1 SENDEN WILHELMUS ANTONIUS ANNA/AU
E9 1 SENDENHO N/AU
E10 1 SENDENKO D M/AU
E11 1 SENDENSKI M/AU
E12 62 SENDER A/AU

=> s e2 or e4 or e5

L16 22 "SENDEN TIM J"/AU OR "SENDEN TIMOTHY J"/AU OR "SENDEN TIMOTHY JOHN"/AU

=> d his

(FILE 'HOME' ENTERED AT 06:21:56 ON 08 APR 2004)

FILE 'REGISTRY' ENTERED AT 06:22:00 ON 08 APR 2004

E FULLERTAG/CN
E FULLER TAG/CN
E THROMBOTRACE/CN

L1 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 06:23:04 ON 08 APR 2004

L2 2 S L1
L3 2 S THROMBOTRACE OR FULLERTAG OR THROMBO TRACE OR FULLER TAG

L4 0 S L3 NOT L2
 E NAIR CHENICHERI/AU
L5 37 S E4 OR E5 OR E6 OR E8 OR E9 OR E7
L6 31 DUP REM L5 (6 DUPLICATES REMOVED)
L7 1 S L6 AND CARBON
 E SHATS ELENA/AU
L8 2981220 S E1 OR 32 OR E4
L9 397509 S L8 AND CARBON
L10 12 S E1 OR E4
L11 7 DUP REM L10 (5 DUPLICATES REMOVED)
 E BURCH WILLIAM/AU
L12 10 S E12
L13 10 S L12 NOT L11
 E BROWITT RODNEY/AU
L14 10 S E1 OR E2 OR E3 OR E4 OR E5
L15 8 S L14 NOT (L13 OR L11)
 E SENDEN TIMOTHY/AU
L16 22 S E2 OR E4 OR E5

=> s l16 not (l15 or l12 or l11)
L17 20 L16 NOT (L15 OR L12 OR L11)

=> d ibib

L17 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:793204 CAPLUS
TITLE: 3D imaging of the spreading and penetration of aqueous
liquids into unsized and sized papers
AUTHOR(S): Roberts, Raymond J.; Senden, Tim J.;
Knackstedt, Mark A.
CORPORATE SOURCE: Department of Applied Mathematics, Research School of
Physical Sciences and Engineering, Australian National
University, Canberra, ACT, 0200, Australia
SOURCE: Preprints - International Paper and Coating Chemistry
Symposium, 5th, Montreal, QC, Canada, June 16-19, 2003
(2003), 303-311. Pulp and Paper Technical Association
of Canada: Montreal, Que.
CODEN: 69EPUK; ISBN: 1-896742-88-2
DOCUMENT TYPE: Conference
LANGUAGE: English
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l17 and carbon
L18 0 L17 AND CARBON

=> d 2
L18 HAS NO ANSWERS
'2' IS NOT A VALID SEARCH STATUS KEYWORD
Search status keywords:
NONE ---- Display only the number of postings.
STATUS -- Display statistics of the search.
ENTER SEARCH STATUS OPTION (NONE), STATUS, OR ?:end

=> d l17 2

L17 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:495771 CAPLUS
DN 137:213052
TI Micromanipulation of phospholipid bilayers by atomic force microscopy
AU Maeda, Nobuo; Senden, Tim J.; di Meglio, Jean-Marc
CS Research School of Physical Sciences and Engineering, Department of
Applied Mathematics, The Australian National University, Canberra, 0200,

Australia
SO Biochimica et Biophysica Acta (2002), 1564(1), 165-172
CODEN: BBACAQ; ISSN: 0006-3002
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 117 3

L17 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:411423 CAPLUS
DN 135:37466
TI Force microscopy and surface interactions
AU **Senden, Tim J.**
CS Department of Applied Mathematics, Research School of Physical Sciences
and Engineering, The Australian National University, Canberra, 0200,
Australia
SO Current Opinion in Colloid & Interface Science (2001), 6(2), 95-101
CODEN: COCSFL; ISSN: 1359-0294
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 117 4

L17 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:231167 CAPLUS
DN 134:282619
TI Droplet penetration into porous networks: role of pore morphology
AU **Senden, Tim J.**; Knackstedt, Mark A.; Lyne, M. Bruce
CS Australian National University, Canberra, 0200, Australia
SO Nordic Pulp & Paper Research Journal (2000), 15(5), 554-563
CODEN: NPPJEG; ISSN: 0283-2631
PB Nordic Pulp & Paper Research Journal
DT Journal
LA English
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 117 5

L17 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:145455 CAPLUS
DN 134:340053
TI Contact angles of aqueous solutions on copper surfaces bearing
self-assembled monolayers
AU Craig, Vincent S. J.; Jones, Anthony C.; **Senden, Tim J.**
CS Dep. Appl. Math., Res. Phys. Sci., Aust. Natl. Univ., Canberra, 0200,
Australia
SO Journal of Chemical Education (2001), 78(3), 345-346
CODEN: JCEDA8; ISSN: 0021-9584
PB Division of Chemical Education of the American Chemical Society
DT Journal
LA English
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s (hydrolyzed or hydrolyze or hydrolyzing) (l) (graphite)
L19 2886 (HYDROLYZED OR HYDROLYZE OR HYDROLYZING) (L) (GRAPHITE)

=> s l19 and (contrast or image or imaging)
L20 1097 L19 AND (CONTRAST OR IMAGE OR IMAGING)

=> s hydrolyzed graphite
L21 2 HYDROLYZED GRAPHITE

=> d ibib

L21 ANSWER 1 OF 2 USPATFULL on STN
ACCESSION NUMBER: 1998:48479 USPATFULL
TITLE: Solid surface modifier
INVENTOR(S): Smirnov, Aleksandr Vitalievich, #9 Rossoshanskay Street, 3 Apt. 5, Moscow, Russian Federation 118535
Orlov, Oleg Georgievich, #74, Apt. 47 Prospect Mira, Moscow, Russian Federation 128722
Golipad, Pyotr Nikolaevich, #10, Apt. 24 Vtoraya Baumanskaya Str., Moscow, Russian Federation 107005
Koriakin, Yurii Nikolaevich, #16 Rublevesk Shosse, Apt. 23, Moscow, Russian Federation 121467
Yegorov, Boris Mikhailovich, #16 Rublevesk Shosse, Apt. 1, Moscow, Russian Federation 121467

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------------------|
| PATENT INFORMATION: | US 5747561 | | 19980505 |
| | WO 9409074 | | 19940428 |
| APPLICATION INFO.: | US 1995-416745 | | 19951023 (8) |
| | WO 1993-US9482 | | 19931004 |
| | | | 19951023 PCT 371 date |
| | | | 19951023 PCT 102(e) date |

| | NUMBER | DATE |
|--|-----------------------------------|----------|
| PRIORITY INFORMATION: | RU 1992-92000551 | 19921014 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Dean, Karen A. | |
| LEGAL REPRESENTATIVE: | Oppenheimer Wolff & Donnelly, LLP | |
| NUMBER OF CLAIMS: | 17 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 584 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

=> d 2 ibib

L21 ANSWER 2 OF 2 USPATFULL on STN
ACCESSION NUMBER: 97:22576 USPATFULL
TITLE: Fire resistant multipurpose protective coating
INVENTOR(S): Smirnov, Aleksandr V., Moscow, Russian Federation
Orlov, Oleg G., Moscow, Russian Federation
Golipad, Pyotr N., Moscow, Russian Federation
Koriakin, Yurii N., Moscow, Russian Federation
PATENT ASSIGNEE(S): Boeckmann, II, Herbert F., Sepulveda, CA, United States (U.S. individual)

| | NUMBER | KIND | DATE |
|---------------------|------------|------|----------|
| PATENT INFORMATION: | US 5612130 | | 19970318 |
| | WO 9408786 | | 19940428 |

| | | |
|--------------------|----------------|--------------------------|
| APPLICATION INFO.: | US 1995-416744 | 19950412 (8) |
| | WO 1993-US9405 | 19931004 |
| | | 19950412 PCT 371 date |
| | | 19950412 PCT 102(e) date |

| NUMBER | DATE |
|--------|------|
|--------|------|

| | | |
|-----------------------|---------------------------|----------|
| PRIORITY INFORMATION: | RU 1992-92000566 | 19921014 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Le, Hoa T. | |
| LEGAL REPRESENTATIVE: | Poms, Smith, Lande & Rose | |
| NUMBER OF CLAIMS: | 8 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 482 | |

=> s hydrolyze graphite
L22 0 HYDROLYZE GRAPHITE

=> s hydrolyzable graphite
L23 0 HYDROLYZABLE GRAPHITE

Searches for User *Iwells* (Count = 6809)

Queries 13519 through 13568.

[Search Box]
[Latest] [Prev]

| S # | Updt | Database | Query | Time | Comment |
|-----------------------|-------------------|-------------------------------|--|------------------------|--------------|
| S6809 | U | PGPB,USPT,USOC,EPAB,JPAB,DWPI | 4572203.pn. 2004-and (graphite or graphitic) | 04-08 07:12:38 | |
| S6808 | U | PGPB,USPT,USOC,EPAB,JPAB,DWPI | 4572203.pn. 2004- | 04-08 07:10:44 | |
| S6807 | U | PGPB,USPT,USOC,EPAB,JPAB,DWPI | (hydrolysis) 2004-near (graphite or graphitic) not hydrolyzed graphite | 04-08 06:47:47 | (hydrolysis) |
| S6806 | U | PGPB,USPT,USOC,EPAB,JPAB,DWPI | (hydrolysis) 2004-near (graphite or graphitic) | 04-08 06:47:40 | (hydrolysis) |
| S6805 | U | PGPB,USPT,USOC,EPAB,JPAB,DWPI | hydrolyzed graphite | 2004-04-08 06:38:39 | |